

## Leistungserklärungen

gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung BauPVO 2013)

## Declarations of Performance

according to annex III, Regulation (EU) 305/2011 (Construction Products Regulation 2013)

## Déclarations des Performances

Annexe III du Règlement (EU) 305/2011 (Règlement Produits de Construction 2013)

auch unter / also under / aussi sous:  
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Zuordnung der puren® Produkte zu Produktgruppen mit gleichen Produkteigenschaften :

| Anwendungsbereich             | Nummer der Leistungserklärung | Kenncode (interne Bezeichnung)   | puren-Handelsname                     |
|-------------------------------|-------------------------------|----------------------------------|---------------------------------------|
| <b>Steildach</b>              | 1122-CPR-2013-07-01           | puren-PIR MV (AG)                | puren St-Blau                         |
|                               |                               |                                  | puren Plus                            |
|                               |                               |                                  | puren PUR Unterdach (diffusionsoffen) |
|                               |                               |                                  | puren PavaPlus                        |
|                               |                               |                                  | puren Dämmschalung                    |
|                               | 1222-CPR-2013-07-01           | puren-PIR Alu (AG)               | puren Protect                         |
|                               |                               |                                  | puren PUR Unterdach (diffusionsdicht) |
|                               |                               |                                  | puren SilentPro                       |
| <b>Steildach-Zubehör</b>      | 9719-CPR-2013/07/01           | puren-DuoTwin                    | puren SFS DuoTwin                     |
|                               | 9729-CPR-2013/07/01           | puren-DaBau                      | DaBau Spezialschrauben                |
|                               | 9819-CPR-2013/07/01           | puren-DB 100                     | puren TOP DSB 100                     |
|                               | 9829-CPR-2013/07/01           | puren-DB blau                    | puren DB blau                         |
| <b>Flachdach</b>              | 1121-CPR-2013-07-01           | puren-PIR MV (ÜB)                | puren MV                              |
|                               | 1122-CPR-2013-07-01           | puren-PIR MV (AG)                |                                       |
|                               | 1123-CPR-2013-07-01           | puren-PIR MV (NH)                |                                       |
|                               | 1221-CPR-2013-07-01           | puren-PIR Alu (ÜB)               | puren FD-L                            |
|                               | 1222-CPR-2013-07-01           | puren-PIR Alu (AG)               |                                       |
|                               | 1223-CPR-2013-07-01           | puren-PIR Alu (NH)               |                                       |
|                               | 2011-CPR-2013-07-01           | puren-PIR SE                     | puren SE-B1                           |
|                               |                               |                                  | puren PIR KOMPAKT SD+ SE-B1           |
|                               |                               |                                  | puren SE-B1 Gefälle                   |
|                               |                               |                                  | puren PIR Class C                     |
|                               |                               |                                  | puren PIR KOMPAKT SD+ Class C         |
|                               | 2021-CPR-2013-07-01           | puren-PIR NE                     | puren PIR Class C Gefälle             |
|                               |                               |                                  | puren NE-B2                           |
|                               |                               |                                  | puren PIR KOMPAKT SD+ NE-B2           |
| <b>Fassade</b>                | 1121-CPR-2013-07-01           | puren-PIR MV (ÜB)                | puren MV-K (Kerndämmung)              |
|                               | 1122-CPR-2013-07-01           | puren-PIR MV (AG)                |                                       |
|                               | 1123-CPR-2013-07-01           | puren-PIR MV (NH)                |                                       |
|                               | 1122-CPR-2013-07-01           | puren-PIR MV (AG)                | puren HoltaFix                        |
|                               | 1221-CPR-2013-07-01           | puren-PIR Alu (ÜB)               | puren AL-K (Kerndämmung)              |
|                               | 1222-CPR-2013-07-01           | puren-PIR Alu (AG)               |                                       |
|                               | 1223-CPR-2013-07-01           | puren-PIR Alu (NH)               |                                       |
|                               | 2031-CPR-2013-07-01           | purenotherm® WDVS (puren-PIR NE) | purenotherm® WDVS (puren-PIR NE)      |
| <b>Fußboden / Kellerdecke</b> | 1121-CPR-2013-07-01           | puren-PIR MV (ÜB)                | puren MV                              |
|                               | 1123-CPR-2013-07-01           | puren-PIR MV (NH)                |                                       |
|                               | 1122-CPR-2013-07-01           | puren-PIR MV (AG)                | puren DBV (026/027/029)               |
|                               | 1221-CPR-2013-07-01           | puren-PIR Alu (ÜB)               | puren FAL                             |
|                               | 1223-CPR-2013-07-01           | puren-PIR Alu (NH)               |                                       |
|                               | 1222-CPR-2013-07-01           | puren-PIR Alu (AG)               | puren DBV (023/024)                   |
|                               | 1229-CPR-2013-07-01           | puren-PIR AV                     | puren AL-KD                           |
| <b>Stall / Halle</b>          | 1129-CPR-2013-07-01           | puren-PIR SV                     | puren BriteBoard                      |
|                               | 1229-CPR-2013-07-01           | puren-PIR AV                     | puren APE                             |
|                               |                               |                                  | puren ALD                             |
| <b>purenit</b>                | 4094-CPR-2013-07-01           | purenit 550MD                    | purenit 550 MD                        |



# Leistungserklärung

gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung)



| Nr.: 1121 - CPR - 2013-07-01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                               |                              |       |          |       |       |       |       |       |       |       |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
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| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Eindeutiger Kenncode des Produkts<br><b>puren-PIR MV (ÜB)</b>                                                                                                                                                                                                                                                                                                                                 |                              |       |          |       |       |       |       |       |       |       |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Typen-, Chargen- oder Serien-Nr. zur Identifikation des Bauproduktes gemäß Artikel 11 Absatz 4<br><b>siehe Chargen-Nummer (Produktaufdruck)</b>                                                                                                                                                                                                                                               |                              |       |          |       |       |       |       |       |       |       |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Vorgesehender Verwendungszweck<br><b>Wärmedämmstoffe für Gebäude (ThIB)</b>                                                                                                                                                                                                                                                                                                                   |                              |       |          |       |       |       |       |       |       |       |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Name, eingetragener Handelsname oder Marke und Kontaktanschrift des Herstellers gemäß Artikel 11 Absatz 5<br><b>puren gmbh</b><br>Rengoldshauser Straße 4, 88662 Überlingen, Deutschland<br>Tel. +49 (0)7551 8099-0 Fax +49 (0)7551 8099-20 www.puren.com                                                                                                                                     |                              |       |          |       |       |       |       |       |       |       |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ggf. Name und Kontaktanschrift des Bevollmächtigten, der mit den Aufgaben gemäß Artikel 12 Absatz 2 beauftragt ist<br><b>nicht zutreffend</b>                                                                                                                                                                                                                                                 |                              |       |          |       |       |       |       |       |       |       |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauproduktes gemäß Anhang V<br><b>System 3</b>                                                                                                                                                                                                                                                               |                              |       |          |       |       |       |       |       |       |       |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Name und Kennnummer der notifizierten Stelle(n) und Beschreibung der Aufgaben Dritter nach Anhang V und Hinweis auf ausgestellte Leistungsbeständigkeitsbescheinigung, Konformitätsbescheinigung für die WPK, Prüf- bzw. Berechnungsberichte - soweit relevant<br><b>Das notifizierte Prüflabor (FIW München, 0751) hat anhand einer Typprüfung den Produkttyp nach System 3 festgestellt</b> |                              |       |          |       |       |       |       |       |       |       |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, für das eine Europäische Technische Bewertung ausgestellt worden ist<br><b>nicht zutreffend</b>                                                                                                                                                                                                                                 |                              |       |          |       |       |       |       |       |       |       |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
| <b>Erklärte Leistung</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                               |                              |       |          |       |       |       |       |       |       |       |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
| <table><tr><th colspan="2">Wesentliche Merkmale</th><th colspan="10">Leistung</th><th>Spezifikation</th></tr><tr><td colspan="2">Brandverhalten</td><td colspan="10">RtF Class E</td><td>EN 13501-1</td></tr><tr><td colspan="2">Dicke / Dickentoleranz</td><td colspan="10">20 - 200 mm / T2</td><td rowspan="8">EN 13165</td></tr><tr><td colspan="2">[mm]</td><td>20</td><td>40</td><td>60</td><td>80</td><td>100</td><td>120</td><td>140</td><td>160</td><td>180</td><td>200</td></tr><tr><td>9</td><td>Wärmedurchlasswiderstand <math>R_D [(m^2 \cdot K)/W]</math></td><td>0,700</td><td>1,400</td><td>2,100</td><td>3,050</td><td>3,850</td><td>4,800</td><td>5,600</td><td>6,400</td><td>7,200</td><td>8,000</td></tr><tr><td></td><td>Wärmeleitfähigkeit <math>\lambda_D [W/(m \cdot K)]</math></td><td colspan="3">0,028</td><td colspan="2">0,026</td><td colspan="5">0,025</td></tr><tr><td></td><td>Druckspannung</td><td colspan="10">CS(10\Y)150</td></tr><tr><td></td><td>Zugfestigkeit senkrecht zur Plattenebene</td><td colspan="10">TR 40</td></tr><tr><td></td><td>Dimensionsstabilität unter definierten Temperatur- und Feuchtebedingungen</td><td colspan="10">DS(70,90)3<br/>DS(-20,-)2</td></tr><tr><td></td><td>alle anderen Merkmale nach EN 13165</td><td colspan="10">NPD (keine Leistung erklärt)</td></tr></table> |                                                                                                                                                                                                                                                                                                                                                                                               | Wesentliche Merkmale         |       | Leistung |       |       |       |       |       |       |       |               |  | Spezifikation | Brandverhalten |  | RtF Class E |  |  |  |  |  |  |  |  |  | EN 13501-1 | Dicke / Dickentoleranz |  | 20 - 200 mm / T2 |  |  |  |  |  |  |  |  |  | EN 13165 | [mm] |  | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 9 | Wärmedurchlasswiderstand $R_D [(m^2 \cdot K)/W]$ | 0,700 | 1,400 | 2,100 | 3,050 | 3,850 | 4,800 | 5,600 | 6,400 | 7,200 | 8,000 |  | Wärmeleitfähigkeit $\lambda_D [W/(m \cdot K)]$ | 0,028 |  |  | 0,026 |  | 0,025 |  |  |  |  |  | Druckspannung | CS(10\Y)150 |  |  |  |  |  |  |  |  |  |  | Zugfestigkeit senkrecht zur Plattenebene | TR 40 |  |  |  |  |  |  |  |  |  |  | Dimensionsstabilität unter definierten Temperatur- und Feuchtebedingungen | DS(70,90)3<br>DS(-20,-)2 |  |  |  |  |  |  |  |  |  |  | alle anderen Merkmale nach EN 13165 | NPD (keine Leistung erklärt) |  |  |  |  |  |  |  |  |  |
| Wesentliche Merkmale                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                               | Leistung                     |       |          |       |       |       |       |       |       |       | Spezifikation |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
| Brandverhalten                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                               | RtF Class E                  |       |          |       |       |       |       |       |       |       | EN 13501-1    |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
| Dicke / Dickentoleranz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                               | 20 - 200 mm / T2             |       |          |       |       |       |       |       |       |       | EN 13165      |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
| [mm]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                               | 20                           | 40    | 60       | 80    | 100   | 120   | 140   | 160   | 180   | 200   |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Wärmedurchlasswiderstand $R_D [(m^2 \cdot K)/W]$                                                                                                                                                                                                                                                                                                                                              | 0,700                        | 1,400 | 2,100    | 3,050 | 3,850 | 4,800 | 5,600 | 6,400 | 7,200 | 8,000 |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wärmeleitfähigkeit $\lambda_D [W/(m \cdot K)]$                                                                                                                                                                                                                                                                                                                                                | 0,028                        |       |          | 0,026 |       | 0,025 |       |       |       |       |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Druckspannung                                                                                                                                                                                                                                                                                                                                                                                 | CS(10\Y)150                  |       |          |       |       |       |       |       |       |       |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Zugfestigkeit senkrecht zur Plattenebene                                                                                                                                                                                                                                                                                                                                                      | TR 40                        |       |          |       |       |       |       |       |       |       |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Dimensionsstabilität unter definierten Temperatur- und Feuchtebedingungen                                                                                                                                                                                                                                                                                                                     | DS(70,90)3<br>DS(-20,-)2     |       |          |       |       |       |       |       |       |       |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | alle anderen Merkmale nach EN 13165                                                                                                                                                                                                                                                                                                                                                           | NPD (keine Leistung erklärt) |       |          |       |       |       |       |       |       |       |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Die Leistung des Produktes gemäß der Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 9. Verantwortlich für diese Leistungserklärung ist allein der Hersteller gemäß Nummer 4.                                                                                                                                                                                                   |                              |       |          |       |       |       |       |       |       |       |               |  |               |                |  |             |  |  |  |  |  |  |  |  |  |            |                        |  |                  |  |  |  |  |  |  |  |  |  |          |      |  |    |    |    |    |     |     |     |     |     |     |   |                                                  |       |       |       |       |       |       |       |       |       |       |  |                                                |       |  |  |       |  |       |  |  |  |  |  |               |             |  |  |  |  |  |  |  |  |  |  |                                          |       |  |  |  |  |  |  |  |  |  |  |                                                                           |                          |  |  |  |  |  |  |  |  |  |  |                                     |                              |  |  |  |  |  |  |  |  |  |

Unterzeichnet für und im Namen des Herstellers von:

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Dr. Andreas Huther  
(Geschäftsführer)



# Leistungserklärung

gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung)



| Nr.: 1122 - CPR - 2013-07-01 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                             |                           |                                                                                                                                       |       |       |       |       |       |               |       |       |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|---------------|-------|-------|
| 1                            | Eindeutiger Kenncode des Produkts                                                                                                                                                                                                                              |                                                                                                                                                                                             |                           | puren-PIR MV (AG)                                                                                                                     |       |       |       |       |       |               |       |       |
| 2                            | Typen-, Chargen- oder Serien-Nr. zur Identifikation des Bauproduktes gemäß Artikel 11 Absatz 4                                                                                                                                                                 |                                                                                                                                                                                             |                           | siehe Chargen-Nummer (Produktaufdruck)                                                                                                |       |       |       |       |       |               |       |       |
| 3                            | Vorgesehender Verwendungszweck                                                                                                                                                                                                                                 |                                                                                                                                                                                             |                           | Wärmedämmstoffe für Gebäude (ThIB)                                                                                                    |       |       |       |       |       |               |       |       |
| 4                            | Name, eingetragener Handelsname oder Marke und Kontaktanschrift des Herstellers gemäß Artikel 11 Absatz 5                                                                                                                                                      |                                                                                                                                                                                             |                           | puren gmbh<br>Rengoldshauser Straße 4, 88662 Überlingen, Deutschland<br>Tel. +49 (0)7551 8099-0 Fax +49 (0)7551 8099-20 www.puren.com |       |       |       |       |       |               |       |       |
| 5                            | ggf. Name und Kontaktanschrift des Bevollmächtigten, der mit den Aufgaben gemäß Artikel 12 Absatz 2 beauftragt ist                                                                                                                                             |                                                                                                                                                                                             |                           | nicht zutreffend                                                                                                                      |       |       |       |       |       |               |       |       |
| 6                            | System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauproduktes gemäß Anhang V                                                                                                                                                   |                                                                                                                                                                                             |                           | System 3                                                                                                                              |       |       |       |       |       |               |       |       |
| 7                            | Name und Kennnummer der notifizierten Stelle(n) und Beschreibung der Aufgaben Dritter nach Anhang V und Hinweis auf ausgestellte Leistungsbeständigkeitsbescheinigung, Konformitätsbescheinigung für die WPK, Prüf- bzw. Berechnungsberichte - soweit relevant |                                                                                                                                                                                             |                           | Das notifizierte Prüflabor (FIW München, 0751) hat anhand einer Typprüfung den Produkttyp nach System 3 festgestellt                  |       |       |       |       |       |               |       |       |
| 8                            | Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, für das eine Europäische Technische Bewertung ausgestellt worden ist                                                                                                                             |                                                                                                                                                                                             |                           | nicht zutreffend                                                                                                                      |       |       |       |       |       |               |       |       |
| 9                            | Erklärte Leistung                                                                                                                                                                                                                                              |                                                                                                                                                                                             |                           |                                                                                                                                       |       |       |       |       |       |               |       |       |
|                              | Wesentliche Merkmale                                                                                                                                                                                                                                           |                                                                                                                                                                                             |                           | Leistung                                                                                                                              |       |       |       |       |       | Spezifikation |       |       |
|                              | Brandverhalten                                                                                                                                                                                                                                                 |                                                                                                                                                                                             |                           | RtF Class E                                                                                                                           |       |       |       |       |       | EN 13501-1    |       |       |
|                              | Dicke / Dickentoleranz                                                                                                                                                                                                                                         |                                                                                                                                                                                             |                           | 50 - 180 mm / T2                                                                                                                      |       |       |       |       |       | EN 13165      |       |       |
|                              | [mm]                                                                                                                                                                                                                                                           |                                                                                                                                                                                             |                           | 50                                                                                                                                    | 60    | 80    | 100   | 120   | 140   |               | 160   | 180   |
|                              | Wärmedurchlasswiderstand                                                                                                                                                                                                                                       |                                                                                                                                                                                             | R <sub>D</sub> [(m²·K)/W] | 1,750                                                                                                                                 | 2,100 | 3,050 | 3,850 | 4,800 | 5,600 |               | 6,400 | 7,200 |
|                              | Wärmeleitfähigkeit                                                                                                                                                                                                                                             |                                                                                                                                                                                             | λ <sub>D</sub> [W/(m·K)]  | 0,028                                                                                                                                 |       | 0,026 |       | 0,025 |       |               |       |       |
|                              | Druckspannung                                                                                                                                                                                                                                                  |                                                                                                                                                                                             |                           | CS(10\Y)120                                                                                                                           |       |       |       |       |       |               |       |       |
|                              | Zugfestigkeit senkrecht zur Plattenebene                                                                                                                                                                                                                       |                                                                                                                                                                                             |                           | TR 40                                                                                                                                 |       |       |       |       |       |               |       |       |
|                              | Dimensionsstabilität unter definierten Temperatur- und Feuchtebedingungen                                                                                                                                                                                      |                                                                                                                                                                                             |                           | DS(70,90)3<br>DS(-20,-)2                                                                                                              |       |       |       |       |       |               |       |       |
|                              | alle anderen Merkmale nach EN 13165                                                                                                                                                                                                                            |                                                                                                                                                                                             |                           | NPD (keine Leistung erklärt)                                                                                                          |       |       |       |       |       |               |       |       |
|                              | 10                                                                                                                                                                                                                                                             | Die Leistung des Produktes gemäß der Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 9. Verantwortlich für diese Leistungserklärung ist allein der Hersteller gemäß Nummer 4. |                           |                                                                                                                                       |       |       |       |       |       |               |       |       |

Unterzeichnet für und im Namen des Herstellers von:

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# Leistungserklärung

gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung)



| Nr.: 1123 - CPR - 2013-07-01 |                                                                                                                                                                                                                                                                |                             |  |                                                                                                                                       |       |       |       |       |               |       |       |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|---------------|-------|-------|
| 1                            | Eindeutiger Kenncode des Produkts                                                                                                                                                                                                                              |                             |  | puren-PIR MV (NH)                                                                                                                     |       |       |       |       |               |       |       |
| 2                            | Typen-, Chargen- oder Serien-Nr. zur Identifikation des Bauproduktes gemäß Artikel 11 Absatz 4                                                                                                                                                                 |                             |  | siehe Chargen-Nummer (Produktaufdruck)                                                                                                |       |       |       |       |               |       |       |
| 3                            | Vorgesehender Verwendungszweck                                                                                                                                                                                                                                 |                             |  | Wärmedämmstoffe für Gebäude (ThIB)                                                                                                    |       |       |       |       |               |       |       |
| 4                            | Name, eingetragener Handelsname oder Marke und Kontaktanschrift des Herstellers gemäß Artikel 11 Absatz 5                                                                                                                                                      |                             |  | puren gmbh<br>Rengoldshauser Straße 4, 88662 Überlingen, Deutschland<br>Tel. +49 (0)7551 8099-0 Fax +49 (0)7551 8099-20 www.puren.com |       |       |       |       |               |       |       |
| 5                            | ggf. Name und Kontaktanschrift des Bevollmächtigten, der mit den Aufgaben gemäß Artikel 12 Absatz 2 beauftragt ist                                                                                                                                             |                             |  | nicht zutreffend                                                                                                                      |       |       |       |       |               |       |       |
| 6                            | System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauproduktes gemäß Anhang V                                                                                                                                                   |                             |  | System 3                                                                                                                              |       |       |       |       |               |       |       |
| 7                            | Name und Kennnummer der notifizierten Stelle(n) und Beschreibung der Aufgaben Dritter nach Anhang V und Hinweis auf ausgestellte Leistungsbeständigkeitsbescheinigung, Konformitätsbescheinigung für die WPK, Prüf- bzw. Berechnungsberichte - soweit relevant |                             |  | Das notifizierte Prüflabor (FIW München, 0751) hat anhand einer Typprüfung den Produkttyp nach System 3 festgestellt                  |       |       |       |       |               |       |       |
| 8                            | Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, für das eine Europäische Technische Bewertung ausgestellt worden ist                                                                                                                             |                             |  | nicht zutreffend                                                                                                                      |       |       |       |       |               |       |       |
| 9                            | Erklärte Leistung                                                                                                                                                                                                                                              |                             |  |                                                                                                                                       |       |       |       |       |               |       |       |
|                              | Wesentliche Merkmale                                                                                                                                                                                                                                           |                             |  | Leistung                                                                                                                              |       |       |       |       | Spezifikation |       |       |
|                              | Brandverhalten                                                                                                                                                                                                                                                 |                             |  | RtF Class E                                                                                                                           |       |       |       |       | EN 13501-1    |       |       |
|                              | Dicke / Dickentoleranz                                                                                                                                                                                                                                         |                             |  | 20 - 140 mm / T2                                                                                                                      |       |       |       |       | EN 13165      |       |       |
|                              |                                                                                                                                                                                                                                                                | [mm]                        |  | 20                                                                                                                                    | 40    | 60    | 80    | 100   |               | 120   | 140   |
|                              | Wärmedurchlasswiderstand                                                                                                                                                                                                                                       | $R_D [(m^2 \cdot K)/W]$     |  | 0,700                                                                                                                                 | 1,400 | 2,100 | 3,050 | 3,850 |               | 4,800 | 5,600 |
|                              | Wärmeleitfähigkeit                                                                                                                                                                                                                                             | $\lambda_D [W/(m \cdot K)]$ |  | 0,028                                                                                                                                 |       | 0,026 |       | 0,025 |               |       |       |
|                              | Druckspannung                                                                                                                                                                                                                                                  |                             |  | CS(10\Y)150                                                                                                                           |       |       |       |       |               |       |       |
|                              | Zugfestigkeit senkrecht zur Plattenebene                                                                                                                                                                                                                       |                             |  | TR 40                                                                                                                                 |       |       |       |       |               |       |       |
|                              | Dimensionsstabilität unter definierten Temperatur- und Feuchtebedingungen                                                                                                                                                                                      |                             |  | DS(70,90)3<br>DS(-20,-)2                                                                                                              |       |       |       |       |               |       |       |
|                              | alle anderen Merkmale nach EN 13165                                                                                                                                                                                                                            |                             |  | NPD (keine Leistung erklärt)                                                                                                          |       |       |       |       |               |       |       |
|                              | Die Leistung des Produktes gemäß der Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 9. Verantwortlich für diese Leistungserklärung ist allein der Hersteller gemäß Nummer 4.                                                                    |                             |  |                                                                                                                                       |       |       |       |       |               |       |       |
| 10                           |                                                                                                                                                                                                                                                                |                             |  |                                                                                                                                       |       |       |       |       |               |       |       |

Unterzeichnet für und im Namen des Herstellers von:

puren gmbh

Dr. Andreas Huther  
(Geschäftsführer)



# Leistungserklärung

gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung)



|                                                                           |                                                                                                                                                                                                                                                                |                                                                                                                                              |       |       |         |       |            |                      |       |
|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|---------|-------|------------|----------------------|-------|
| Nr.:                                                                      | <b>1129 - CPR - 2013-07-01</b>                                                                                                                                                                                                                                 |                                                                                                                                              |       |       |         |       |            |                      |       |
| 1                                                                         | Eindeutiger Kenncode des Produkts                                                                                                                                                                                                                              | <b>puren-PIR SV</b>                                                                                                                          |       |       |         |       |            |                      |       |
| 2                                                                         | Typen-, Chargen- oder Serien-Nr. zur Identifikation des Bauproduktes gemäß Artikel 11 Absatz 4                                                                                                                                                                 | <b>siehe Chargen-Nummer (Produktaufdruck)</b>                                                                                                |       |       |         |       |            |                      |       |
| 3                                                                         | Vorgesehender Verwendungszweck                                                                                                                                                                                                                                 | <b>Wärmedämmstoffe für Gebäude (ThIB)</b>                                                                                                    |       |       |         |       |            |                      |       |
| 4                                                                         | Name, eingetragener Handelsname oder Marke und Kontaktanschrift des Herstellers gemäß Artikel 11 Absatz 5                                                                                                                                                      | <b>puren gmbh</b><br>Rengoldshauser Straße 4, 88662 Überlingen, Deutschland<br>Tel. +49 (0)7551 8099-0 Fax +49 (0)7551 8099-20 www.puren.com |       |       |         |       |            |                      |       |
| 5                                                                         | ggf. Name und Kontaktanschrift des Bevollmächtigten, der mit den Aufgaben gemäß Artikel 12 Absatz 2 beauftragt ist                                                                                                                                             | <b>nicht zutreffend</b>                                                                                                                      |       |       |         |       |            |                      |       |
| 6                                                                         | System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauproduktes gemäß Anhang V                                                                                                                                                   | <b>System 3</b>                                                                                                                              |       |       |         |       |            |                      |       |
| 7                                                                         | Name und Kennnummer der notifizierten Stelle(n) und Beschreibung der Aufgaben Dritter nach Anhang V und Hinweis auf ausgestellte Leistungsbeständigkeitsbescheinigung, Konformitätsbescheinigung für die WPK, Prüf- bzw. Berechnungsberichte - soweit relevant | <b>Das notifizierte Prüflabor (FIW München, 0751) hat anhand einer Typprüfung den Produkttyp nach System 3 festgestellt</b>                  |       |       |         |       |            |                      |       |
| 8                                                                         | Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, für das eine Europäische Technische Bewertung ausgestellt worden ist                                                                                                                             | <b>nicht zutreffend</b>                                                                                                                      |       |       |         |       |            |                      |       |
| <b>Erklärte Leistung</b>                                                  |                                                                                                                                                                                                                                                                |                                                                                                                                              |       |       |         |       |            |                      |       |
| <b>Wesentliche Merkmale</b>                                               |                                                                                                                                                                                                                                                                | <b>Leistung</b>                                                                                                                              |       |       |         |       |            | <b>Spezifikation</b> |       |
| Brandverhalten                                                            |                                                                                                                                                                                                                                                                | RtF Class E                                                                                                                                  |       |       |         |       |            | EN 13501-1           |       |
| Dicke [mm]                                                                |                                                                                                                                                                                                                                                                | 25                                                                                                                                           | 30    | 40    | 50      | 60    | 80         | EN 13165             |       |
| Wärmedurchlasswiderstand $R_D$ [(m <sup>2</sup> ·K)/W]                    |                                                                                                                                                                                                                                                                | 0,850                                                                                                                                        | 1,000 | 1,350 | 1,700   | 2,050 | 2,850      |                      |       |
| Wärmeleitfähigkeit $\lambda_D$ [W/(m·K)]                                  |                                                                                                                                                                                                                                                                | 0,029                                                                                                                                        |       |       |         |       |            |                      | 0,028 |
| Dickentoleranz [mm]                                                       |                                                                                                                                                                                                                                                                | T3 / ±1,5                                                                                                                                    |       |       | T2 / ±3 |       | T2 / +5 -3 |                      |       |
| Druckspannung                                                             |                                                                                                                                                                                                                                                                | CS(10Y)150                                                                                                                                   |       |       |         |       |            |                      |       |
| Zugfestigkeit senkrecht zur Plattenebene                                  |                                                                                                                                                                                                                                                                | NPD (keine Leistung erklärt)                                                                                                                 |       |       |         |       |            |                      |       |
| Dimensionsstabilität unter definierten Temperatur- und Feuchtebedingungen |                                                                                                                                                                                                                                                                | DS(70,90)4                                                                                                                                   |       |       |         |       |            |                      |       |
| alle anderen Merkmale nach EN 13165                                       |                                                                                                                                                                                                                                                                | DS(-20,-)2                                                                                                                                   |       |       |         |       |            |                      |       |
| alle anderen Merkmale nach EN 13165                                       |                                                                                                                                                                                                                                                                | NPD (keine Leistung erklärt)                                                                                                                 |       |       |         |       |            |                      |       |
| 10                                                                        | Die Leistung des Produktes gemäß der Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 9. Verantwortlich für diese Leistungserklärung ist allein der Hersteller gemäß Nummer 4.                                                                    |                                                                                                                                              |       |       |         |       |            |                      |       |

Unterzeichnet für und im Namen des Herstellers von:

**puren gmbh**

Dr. Andreas Huther



# Leistungserklärung

gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung)



|                             |                                                                                                                                                                                                                                                                |                                                                                                                                              |       |       |       |       |       |       |       |       |       |                      |     |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|-----|
| Nr.:                        | <b>1221 - CPR - 2013-07-01</b>                                                                                                                                                                                                                                 |                                                                                                                                              |       |       |       |       |       |       |       |       |       |                      |     |
| 1                           | Eindeutiger Kenncode des Produkts                                                                                                                                                                                                                              | <b>puren-PIR Alu (ÜB)</b>                                                                                                                    |       |       |       |       |       |       |       |       |       |                      |     |
| 2                           | Typen-, Chargen- oder Serien-Nr. zur Identifikation des Bauproduktes gemäß Artikel 11 Absatz 4                                                                                                                                                                 | <b>siehe Chargen-Nummer (Produktaufdruck)</b>                                                                                                |       |       |       |       |       |       |       |       |       |                      |     |
| 3                           | Vorgesehender Verwendungszweck                                                                                                                                                                                                                                 | <b>Wärmedämmstoffe für Gebäude (ThIB)</b>                                                                                                    |       |       |       |       |       |       |       |       |       |                      |     |
| 4                           | Name, eingetragener Handelsname oder Marke und Kontaktanschrift des Herstellers gemäß Artikel 11 Absatz 5                                                                                                                                                      | <b>puren gmbh</b><br>Rengoldshauser Straße 4, 88662 Überlingen, Deutschland<br>Tel. +49 (0)7551 8099-0 Fax +49 (0)7551 8099-20 www.puren.com |       |       |       |       |       |       |       |       |       |                      |     |
| 5                           | ggf. Name und Kontaktanschrift des Bevollmächtigten, der mit den Aufgaben gemäß Artikel 12 Absatz 2 beauftragt ist                                                                                                                                             | <b>nicht zutreffend</b>                                                                                                                      |       |       |       |       |       |       |       |       |       |                      |     |
| 6                           | System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauproduktes gemäß Anhang V                                                                                                                                                   | <b>System 3</b>                                                                                                                              |       |       |       |       |       |       |       |       |       |                      |     |
| 7                           | Name und Kennnummer der notifizierten Stelle(n) und Beschreibung der Aufgaben Dritter nach Anhang V und Hinweis auf ausgestellte Leistungsbeständigkeitsbescheinigung, Konformitätsbescheinigung für die WPK, Prüf- bzw. Berechnungsberichte - soweit relevant | <b>Das notifizierte Prüflabor (FIW München, 0751) hat anhand einer Typprüfung den Produkttyp nach System 3 festgestellt</b>                  |       |       |       |       |       |       |       |       |       |                      |     |
| 8                           | Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, für das eine Europäische Technische Bewertung ausgestellt worden ist                                                                                                                             | <b>nicht zutreffend</b>                                                                                                                      |       |       |       |       |       |       |       |       |       |                      |     |
| <b>Erklärte Leistung</b>    |                                                                                                                                                                                                                                                                |                                                                                                                                              |       |       |       |       |       |       |       |       |       |                      |     |
| <b>Wesentliche Merkmale</b> |                                                                                                                                                                                                                                                                | <b>Leistung</b>                                                                                                                              |       |       |       |       |       |       |       |       |       | <b>Spezifikation</b> |     |
| Brandverhalten              |                                                                                                                                                                                                                                                                | RtF Class E                                                                                                                                  |       |       |       |       |       |       |       |       |       | EN 13501-1           |     |
| Dicke / Dickentoleranz      |                                                                                                                                                                                                                                                                | 20 - 200 mm / T2                                                                                                                             |       |       |       |       |       |       |       |       |       | EN 13165             |     |
|                             |                                                                                                                                                                                                                                                                | [mm]                                                                                                                                         | 20    | 40    | 60    | 80    | 100   | 120   | 140   | 160   | 180   |                      | 200 |
| 9                           | Wärmedurchlasswiderstand $R_D [(m^2 \cdot K)/W]$                                                                                                                                                                                                               | 0,850                                                                                                                                        | 1,700 | 2,600 | 3,600 | 4,550 | 5,450 | 6,350 | 7,250 | 8,150 | 9,050 |                      |     |
|                             | Wärmeleitfähigkeit $\lambda_D [W/(m \cdot K)]$                                                                                                                                                                                                                 | 0,023                                                                                                                                        |       |       | 0,022 |       |       |       |       |       |       |                      |     |
|                             | Druckspannung                                                                                                                                                                                                                                                  | CS(10Y)120                                                                                                                                   |       |       |       |       |       |       |       |       |       |                      |     |
|                             | Zugfestigkeit senkrecht zur Plattenebene                                                                                                                                                                                                                       | TR 40                                                                                                                                        |       |       |       |       |       |       |       |       |       |                      |     |
|                             | Dimensionsstabilität unter definierten Temperatur- und Feuchtebedingungen                                                                                                                                                                                      | DS(70,90)3                                                                                                                                   |       |       |       |       |       |       |       |       |       |                      |     |
|                             |                                                                                                                                                                                                                                                                | DS(-20,-)2                                                                                                                                   |       |       |       |       |       |       |       |       |       |                      |     |
|                             | alle anderen Merkmale nach EN 13165                                                                                                                                                                                                                            | NPD (keine Leistung erklärt)                                                                                                                 |       |       |       |       |       |       |       |       |       |                      |     |
| 10                          | Die Leistung des Produktes gemäß der Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 9. Verantwortlich für diese Leistungserklärung ist allein der Hersteller gemäß Nummer 4.                                                                    |                                                                                                                                              |       |       |       |       |       |       |       |       |       |                      |     |

Unterzeichnet für und im Namen des Herstellers von:

**puren gmbh**

Dr. Andreas Huther  
(Geschäftsführer)

Überlingen, 01.07.2013



# Leistungserklärung

gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung)



|                             |                                                                                                                                                                                                                                                                |                                                                                                                                              |       |       |       |       |       |       |                      |  |       |     |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|----------------------|--|-------|-----|
| Nr.:                        | <b>1222 - CPR - 2013-07-01</b>                                                                                                                                                                                                                                 |                                                                                                                                              |       |       |       |       |       |       |                      |  |       |     |
| 1                           | Eindeutiger Kenncode des Produkts                                                                                                                                                                                                                              | <b>puren-PIR Alu (AG)</b>                                                                                                                    |       |       |       |       |       |       |                      |  |       |     |
| 2                           | Typen-, Chargen- oder Serien-Nr. zur Identifikation des Bauproduktes gemäß Artikel 11 Absatz 4                                                                                                                                                                 | <b>siehe Chargen-Nummer (Produktaufdruck)</b>                                                                                                |       |       |       |       |       |       |                      |  |       |     |
| 3                           | Vorgesehender Verwendungszweck                                                                                                                                                                                                                                 | <b>Wärmedämmstoffe für Gebäude (ThIB)</b>                                                                                                    |       |       |       |       |       |       |                      |  |       |     |
| 4                           | Name, eingetragener Handelsname oder Marke und Kontaktanschrift des Herstellers gemäß Artikel 11 Absatz 5                                                                                                                                                      | <b>puren gmbh</b><br>Rengoldshauser Straße 4, 88662 Überlingen, Deutschland<br>Tel. +49 (0)7551 8099-0 Fax +49 (0)7551 8099-20 www.puren.com |       |       |       |       |       |       |                      |  |       |     |
| 5                           | ggf. Name und Kontaktanschrift des Bevollmächtigten, der mit den Aufgaben gemäß Artikel 12 Absatz 2 beauftragt ist                                                                                                                                             | <b>nicht zutreffend</b>                                                                                                                      |       |       |       |       |       |       |                      |  |       |     |
| 6                           | System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauproduktes gemäß Anhang V                                                                                                                                                   | <b>System 3</b>                                                                                                                              |       |       |       |       |       |       |                      |  |       |     |
| 7                           | Name und Kennnummer der notifizierten Stelle(n) und Beschreibung der Aufgaben Dritter nach Anhang V und Hinweis auf ausgestellte Leistungsbeständigkeitsbescheinigung, Konformitätsbescheinigung für die WPK, Prüf- bzw. Berechnungsberichte - soweit relevant | <b>Das notifizierte Prüflabor (FIW München, 0751) hat anhand einer Typprüfung den Produkttyp nach System 3 festgestellt</b>                  |       |       |       |       |       |       |                      |  |       |     |
| 8                           | Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, für das eine Europäische Technische Bewertung ausgestellt worden ist                                                                                                                             | <b>nicht zutreffend</b>                                                                                                                      |       |       |       |       |       |       |                      |  |       |     |
| <b>Erklärte Leistung</b>    |                                                                                                                                                                                                                                                                |                                                                                                                                              |       |       |       |       |       |       |                      |  |       |     |
| <b>Wesentliche Merkmale</b> |                                                                                                                                                                                                                                                                | <b>Leistung</b>                                                                                                                              |       |       |       |       |       |       | <b>Spezifikation</b> |  |       |     |
| Brandverhalten              |                                                                                                                                                                                                                                                                | RtF Class E                                                                                                                                  |       |       |       |       |       |       | EN 13501-1           |  |       |     |
| Dicke / Dickentoleranz      |                                                                                                                                                                                                                                                                | 50 - 180 mm / T2                                                                                                                             |       |       |       |       |       |       | EN 13165             |  |       |     |
|                             |                                                                                                                                                                                                                                                                | [mm]                                                                                                                                         | 50    | 60    | 80    | 100   | 120   | 140   |                      |  | 160   | 180 |
| 9                           | Wärmedurchlasswiderstand $R_D [(m^2 \cdot K)/W]$                                                                                                                                                                                                               | 2,150                                                                                                                                        | 2,600 | 3,600 | 4,550 | 5,450 | 6,350 | 7,250 |                      |  | 8,150 |     |
|                             | Wärmeleitfähigkeit $\lambda_D [W/(m \cdot K)]$                                                                                                                                                                                                                 | 0,023                                                                                                                                        |       |       | 0,022 |       |       |       |                      |  |       |     |
|                             | Druckspannung                                                                                                                                                                                                                                                  | CS(10\Y)120                                                                                                                                  |       |       |       |       |       |       |                      |  |       |     |
|                             | Zugfestigkeit senkrecht zur Plattenebene                                                                                                                                                                                                                       | TR 40                                                                                                                                        |       |       |       |       |       |       |                      |  |       |     |
|                             | Dimensionsstabilität unter definierten Temperatur- und Feuchtebedingungen                                                                                                                                                                                      | DS(70,90)3                                                                                                                                   |       |       |       |       |       |       |                      |  |       |     |
|                             |                                                                                                                                                                                                                                                                | DS(-20,-)2                                                                                                                                   |       |       |       |       |       |       |                      |  |       |     |
|                             | alle anderen Merkmale nach EN 13165                                                                                                                                                                                                                            | NPD (keine Leistung erklärt)                                                                                                                 |       |       |       |       |       |       |                      |  |       |     |
| 10                          | Die Leistung des Produktes gemäß der Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 9. Verantwortlich für diese Leistungserklärung ist allein der Hersteller gemäß Nummer 4.                                                                    |                                                                                                                                              |       |       |       |       |       |       |                      |  |       |     |

Unterzeichnet für und im Namen des Herstellers von:

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Dr. Andreas Huther  
(Geschäftsführer)

Überlingen, 01.07.2013



# Leistungserklärung

gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung)



|                             |                                                                                                                                                                                                                                                                |                                                                                                                                              |       |       |       |       |       |                      |       |     |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|----------------------|-------|-----|
| Nr.:                        | <b>1223 - CPR - 2013-07-01</b>                                                                                                                                                                                                                                 |                                                                                                                                              |       |       |       |       |       |                      |       |     |
| 1                           | Eindeutiger Kenncode des Produkts                                                                                                                                                                                                                              | <b>puren-PIR Alu (NH)</b>                                                                                                                    |       |       |       |       |       |                      |       |     |
| 2                           | Typen-, Chargen- oder Serien-Nr. zur Identifikation des Bauproduktes gemäß Artikel 11 Absatz 4                                                                                                                                                                 | <b>siehe Chargen-Nummer (Produktaufdruck)</b>                                                                                                |       |       |       |       |       |                      |       |     |
| 3                           | Vorgesehender Verwendungszweck                                                                                                                                                                                                                                 | <b>Wärmedämmstoffe für Gebäude (ThIB)</b>                                                                                                    |       |       |       |       |       |                      |       |     |
| 4                           | Name, eingetragener Handelsname oder Marke und Kontaktanschrift des Herstellers gemäß Artikel 11 Absatz 5                                                                                                                                                      | <b>puren gmbh</b><br>Rengoldshauser Straße 4, 88662 Überlingen, Deutschland<br>Tel. +49 (0)7551 8099-0 Fax +49 (0)7551 8099-20 www.puren.com |       |       |       |       |       |                      |       |     |
| 5                           | ggf. Name und Kontaktanschrift des Bevollmächtigten, der mit den Aufgaben gemäß Artikel 12 Absatz 2 beauftragt ist                                                                                                                                             | <b>nicht zutreffend</b>                                                                                                                      |       |       |       |       |       |                      |       |     |
| 6                           | System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauproduktes gemäß Anhang V                                                                                                                                                   | <b>System 3</b>                                                                                                                              |       |       |       |       |       |                      |       |     |
| 7                           | Name und Kennnummer der notifizierten Stelle(n) und Beschreibung der Aufgaben Dritter nach Anhang V und Hinweis auf ausgestellte Leistungsbeständigkeitsbescheinigung, Konformitätsbescheinigung für die WPK, Prüf- bzw. Berechnungsberichte - soweit relevant | <b>Das notifizierte Prüflabor (FIW München, 0751) hat anhand einer Typprüfung den Produkttyp nach System 3 festgestellt</b>                  |       |       |       |       |       |                      |       |     |
| 8                           | Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, für das eine Europäische Technische Bewertung ausgestellt worden ist                                                                                                                             | <b>nicht zutreffend</b>                                                                                                                      |       |       |       |       |       |                      |       |     |
| <b>Erklärte Leistung</b>    |                                                                                                                                                                                                                                                                |                                                                                                                                              |       |       |       |       |       |                      |       |     |
| <b>Wesentliche Merkmale</b> |                                                                                                                                                                                                                                                                | <b>Leistung</b>                                                                                                                              |       |       |       |       |       | <b>Spezifikation</b> |       |     |
| Brandverhalten              |                                                                                                                                                                                                                                                                | RtF Class E                                                                                                                                  |       |       |       |       |       | EN 13501-1           |       |     |
| Dicke / Dickentoleranz      |                                                                                                                                                                                                                                                                | 20 - 140 mm / T2                                                                                                                             |       |       |       |       |       | EN 13165             |       |     |
|                             |                                                                                                                                                                                                                                                                | [mm]                                                                                                                                         | 20    | 40    | 60    | 80    | 100   |                      | 120   | 140 |
| 9                           | Wärmedurchlasswiderstand $R_D [(m^2 \cdot K)/W]$                                                                                                                                                                                                               | 0,850                                                                                                                                        | 1,700 | 2,600 | 3,600 | 4,550 | 5,450 |                      | 6,350 |     |
|                             | Wärmeleitfähigkeit $\lambda_D [W/(m \cdot K)]$                                                                                                                                                                                                                 | 0,023                                                                                                                                        |       |       | 0,022 |       |       |                      |       |     |
|                             | Druckspannung                                                                                                                                                                                                                                                  | CS(10\Y)150                                                                                                                                  |       |       |       |       |       |                      |       |     |
|                             | Zugfestigkeit senkrecht zur Plattenebene                                                                                                                                                                                                                       | TR 40                                                                                                                                        |       |       |       |       |       |                      |       |     |
|                             | Dimensionsstabilität unter definierten Temperatur- und Feuchtebedingungen                                                                                                                                                                                      | DS(70,90)3                                                                                                                                   |       |       |       |       |       |                      |       |     |
|                             |                                                                                                                                                                                                                                                                | DS(-20,-)2                                                                                                                                   |       |       |       |       |       |                      |       |     |
|                             | alle anderen Merkmale nach EN 13165                                                                                                                                                                                                                            | NPD (keine Leistung erklärt)                                                                                                                 |       |       |       |       |       |                      |       |     |
| 10                          | Die Leistung des Produktes gemäß der Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 9. Verantwortlich für diese Leistungserklärung ist allein der Hersteller gemäß Nummer 4.                                                                    |                                                                                                                                              |       |       |       |       |       |                      |       |     |

Unterzeichnet für und im Namen des Herstellers von:

**puren gmbh**

Dr. Andreas Huther  
(Geschäftsführer)

Überlingen, 01.07.2013



# Leistungserklärung

gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung)



|                                                                           |                                                                                                                                                                                                                                                                |                                                                                                                                              |       |       |         |       |            |                      |
|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|---------|-------|------------|----------------------|
| Nr.:                                                                      | <b>1229 - CPR - 2013-07-01</b>                                                                                                                                                                                                                                 |                                                                                                                                              |       |       |         |       |            |                      |
| 1                                                                         | Eindeutiger Kenncode des Produkts                                                                                                                                                                                                                              | <b>puren-PIR AV</b>                                                                                                                          |       |       |         |       |            |                      |
| 2                                                                         | Typen-, Chargen- oder Serien-Nr. zur Identifikation des Bauproduktes gemäß Artikel 11 Absatz 4                                                                                                                                                                 | <b>siehe Chargen-Nummer (Produktaufdruck)</b>                                                                                                |       |       |         |       |            |                      |
| 3                                                                         | Vorgesehender Verwendungszweck                                                                                                                                                                                                                                 | <b>Wärmedämmstoffe für Gebäude (ThIB)</b>                                                                                                    |       |       |         |       |            |                      |
| 4                                                                         | Name, eingetragener Handelsname oder Marke und Kontaktanschrift des Herstellers gemäß Artikel 11 Absatz 5                                                                                                                                                      | <b>puren gmbh</b><br>Rengoldshauser Straße 4, 88662 Überlingen, Deutschland<br>Tel. +49 (0)7551 8099-0 Fax +49 (0)7551 8099-20 www.puren.com |       |       |         |       |            |                      |
| 5                                                                         | ggf. Name und Kontaktanschrift des Bevollmächtigten, der mit den Aufgaben gemäß Artikel 12 Absatz 2 beauftragt ist                                                                                                                                             | <b>nicht zutreffend</b>                                                                                                                      |       |       |         |       |            |                      |
| 6                                                                         | System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauproduktes gemäß Anhang V                                                                                                                                                   | <b>System 3</b>                                                                                                                              |       |       |         |       |            |                      |
| 7                                                                         | Name und Kennnummer der notifizierten Stelle(n) und Beschreibung der Aufgaben Dritter nach Anhang V und Hinweis auf ausgestellte Leistungsbeständigkeitsbescheinigung, Konformitätsbescheinigung für die WPK, Prüf- bzw. Berechnungsberichte - soweit relevant | <b>Das notifizierte Prüflabor (FIW München, 0751) hat anhand einer Typprüfung den Produkttyp nach System 3 festgestellt</b>                  |       |       |         |       |            |                      |
| 8                                                                         | Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, für das eine Europäische Technische Bewertung ausgestellt worden ist                                                                                                                             | <b>nicht zutreffend</b>                                                                                                                      |       |       |         |       |            |                      |
| <b>Erklärte Leistung</b>                                                  |                                                                                                                                                                                                                                                                |                                                                                                                                              |       |       |         |       |            |                      |
| <b>Wesentliche Merkmale</b>                                               |                                                                                                                                                                                                                                                                | <b>Leistung</b>                                                                                                                              |       |       |         |       |            | <b>Spezifikation</b> |
| Brandverhalten                                                            |                                                                                                                                                                                                                                                                | RtF Class E                                                                                                                                  |       |       |         |       |            | EN 13501-1           |
| Dicke [mm]                                                                |                                                                                                                                                                                                                                                                | 25                                                                                                                                           | 30    | 40    | 50      | 60    | 80         | EN 13165             |
| Wärmedurchlasswiderstand $R_D$ [(m <sup>2</sup> ·K)/W]                    |                                                                                                                                                                                                                                                                | 1,000                                                                                                                                        | 1,200 | 1,600 | 2,000   | 2,400 | 3,200      |                      |
| Wärmeleitfähigkeit $\lambda_D$ [W/(m·K)]                                  |                                                                                                                                                                                                                                                                | 0,025                                                                                                                                        |       |       |         |       |            |                      |
| Dickentoleranz [mm]                                                       |                                                                                                                                                                                                                                                                | T3 / ±1,5                                                                                                                                    |       |       | T2 / ±3 |       | T2 / +5 -3 |                      |
| Druckspannung                                                             |                                                                                                                                                                                                                                                                | CS(10Y)150                                                                                                                                   |       |       |         |       |            |                      |
| Zugfestigkeit senkrecht zur Plattenebene                                  |                                                                                                                                                                                                                                                                | NPD (keine Leistung erklärt)                                                                                                                 |       |       |         |       |            |                      |
| Dimensionsstabilität unter definierten Temperatur- und Feuchtebedingungen |                                                                                                                                                                                                                                                                | DS(70,90)4<br>DS(-20,-)2                                                                                                                     |       |       |         |       |            |                      |
| alle anderen Merkmale nach EN 13165                                       |                                                                                                                                                                                                                                                                | NPD (keine Leistung erklärt)                                                                                                                 |       |       |         |       |            |                      |
| 10                                                                        | Die Leistung des Produktes gemäß der Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 9. Verantwortlich für diese Leistungserklärung ist allein der Hersteller gemäß Nummer 4.                                                                    |                                                                                                                                              |       |       |         |       |            |                      |

Unterzeichnet für und im Namen des Herstellers von:

puren gmbh

Dr. Andreas Huther



# Leistungserklärung

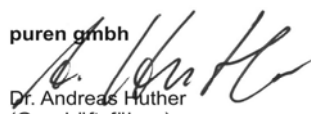
gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung)



| Nr.: 2011 - CPR - 2013-07-01        |                                                                                                                                                                                                                                                                |                           |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |       |       |        |        |               |        |        |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|-------|--------|--------|---------------|--------|--------|
| 1                                   | Eindeutiger Kenncode des Produkts                                                                                                                                                                                                                              |                           |                              | puren-PIR SE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |       |       |        |        |               |        |        |
| 2                                   | Typen-, Chargen- oder Serien-Nr. zur Identifikation des Bauproduktes gemäß Artikel 11 Absatz 4                                                                                                                                                                 |                           |                              | siehe Chargen-Nummer (Produktaufdruck)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |       |       |        |        |               |        |        |
| 3                                   | Vorgesehender Verwendungszweck                                                                                                                                                                                                                                 |                           |                              | Wärmedämmstoffe für Gebäude (ThIB)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |       |       |        |        |               |        |        |
| 4                                   | Name, eingetragener Handelsname oder Marke und Kontaktanschrift des Herstellers gemäß Artikel 11 Absatz 5                                                                                                                                                      |                           |                              | puren gmbh<br>Rengoldshauser Straße 4, 88662 Überlingen, Deutschland<br>Tel. +49 (0)7551 8099-0 Fax +49 (0)7551 8099-20 www.puren.com                                                                                                                                                                                                                                                                                                                                                                                                                           |             |       |       |        |        |               |        |        |
| 5                                   | ggf. Name und Kontaktanschrift des Bevollmächtigten, der mit den Aufgaben gemäß Artikel 12 Absatz 2 beauftragt ist                                                                                                                                             |                           |                              | nicht zutreffend                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |       |       |        |        |               |        |        |
| 6                                   | System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauproduktes gemäß Anhang V                                                                                                                                                   |                           |                              | Brandverhalten System 1<br>alle anderen Leistungen System 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |       |       |        |        |               |        |        |
| 7                                   | Name und Kennnummer der notifizierten Stelle(n) und Beschreibung der Aufgaben Dritter nach Anhang V und Hinweis auf ausgestellte Leistungsbeständigkeitsbescheinigung, Konformitätsbescheinigung für die WPK, Prüf- bzw. Berechnungsberichte - soweit relevant |                           |                              | Die notifizierte Produktzertifizierungsstelle (FIW München, 0751) hat das EG-Konformitätszertifikat für das Produkt in Bezug auf das Brandverhalten ausgestellt und die Feststellung des Produkttyps anhand einer Typprüfung, die Erstinspektion des Werks und der werkseigenen Produktionskontrolle sowie die Bewertung und Evaluierung der werkseigenen Produktionskontrolle vorgenommen.<br>Das notifizierte Prüflabor (FIW München, 0751) hat anhand einer Typprüfung den Produkttyp für alle anderen angegebenen Eigenschaften nach System 3 festgestellt. |             |       |       |        |        |               |        |        |
| 8                                   | Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, für das eine Europäische Technische Bewertung ausgestellt worden ist                                                                                                                             |                           |                              | nicht zutreffend                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |       |       |        |        |               |        |        |
| 9                                   | Erklärte Leistung                                                                                                                                                                                                                                              |                           |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |       |       |        |        |               |        |        |
|                                     | Wesentliche Merkmale                                                                                                                                                                                                                                           |                           |                              | Leistung                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |       |       |        |        | Spezifikation |        |        |
|                                     | Brandverhalten                                                                                                                                                                                                                                                 |                           |                              | RtF Class C-s3, d0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |       |       |        |        | EN 13501-1    |        |        |
|                                     | Dicke / Dickentoleranz                                                                                                                                                                                                                                         |                           |                              | 20 - 320 mm / T2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |       |       |        |        | EN 13165      |        |        |
|                                     |                                                                                                                                                                                                                                                                | [mm]                      |                              | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 40          | 60    | 80    | 100    | 120    |               | 140    | 160    |
|                                     | Wärmedurchlasswiderstand                                                                                                                                                                                                                                       | R <sub>D</sub> [(m²·K)/W] |                              | 0,700                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1,450       | 2,200 | 3,050 | 3,850  | 4,800  |               | 5,600  | 6,400  |
|                                     | Wärmeleitfähigkeit                                                                                                                                                                                                                                             | λ <sub>D</sub> [W/(m·K)]  |                              | 0,027                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |       | 0,026 |        | 0,025  |               |        |        |
|                                     |                                                                                                                                                                                                                                                                | [mm]                      |                              | 180                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 200         | 220   | 240   | 260    | 280    |               | 300    | 320    |
|                                     | Wärmedurchlasswiderstand                                                                                                                                                                                                                                       | R <sub>D</sub> [(m²·K)/W] |                              | 7,200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8,000       | 8,800 | 9,600 | 10,400 | 11,200 |               | 12,000 | 12,800 |
|                                     | Wärmeleitfähigkeit                                                                                                                                                                                                                                             | λ <sub>D</sub> [W/(m·K)]  |                              | 0,025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |       |       |        |        |               |        |        |
|                                     | Druckspannung                                                                                                                                                                                                                                                  |                           |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CS(10\Y)150 |       |       |        |        |               |        |        |
|                                     | Zugfestigkeit senkrecht zur Plattenebene                                                                                                                                                                                                                       |                           |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TR 100      |       |       |        |        |               |        |        |
|                                     | Dimensionsstabilität unter definierten Temperatur- und Feuchtebedingungen                                                                                                                                                                                      |                           |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DS(70,90)3  |       |       |        |        |               |        |        |
|                                     |                                                                                                                                                                                                                                                                |                           |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DS(-20,-)2  |       |       |        |        |               |        |        |
| alle anderen Merkmale nach EN 13165 |                                                                                                                                                                                                                                                                |                           | NPD (keine Leistung erklärt) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |       |       |        |        |               |        |        |
| 10                                  | Die Leistung des Produktes gemäß der Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 9. Verantwortlich für diese Leistungserklärung ist allein der Hersteller gemäß Nummer 4.                                                                    |                           |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |       |       |        |        |               |        |        |

Unterzeichnet für und im Namen des Herstellers von:

puren gmbh

  
Dr. Andreas Huther  
(Geschäftsführer)

Überlingen, 01.07.2013



# Leistungserklärung

gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung)



| Nr.: 2021 - CPR - 2013-07-01        |                                                                                                                                                                                                                                                                |                              |                                                                                                                                       |       |       |       |        |        |        |               |        |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|---------------|--------|
| 1                                   | Eindeutiger Kenncode des Produkts                                                                                                                                                                                                                              |                              | puren-PIR NE                                                                                                                          |       |       |       |        |        |        |               |        |
| 2                                   | Typen-, Chargen- oder Serien-Nr. zur Identifikation des Bauproduktes gemäß Artikel 11 Absatz 4                                                                                                                                                                 |                              | siehe Chargen-Nummer (Produktaufdruck)                                                                                                |       |       |       |        |        |        |               |        |
| 3                                   | Vorgesehender Verwendungszweck                                                                                                                                                                                                                                 |                              | Wärmedämmstoffe für Gebäude (ThIB)                                                                                                    |       |       |       |        |        |        |               |        |
| 4                                   | Name, eingetragener Handelsname oder Marke und Kontaktanschrift des Herstellers gemäß Artikel 11 Absatz 5                                                                                                                                                      |                              | puren gmbh<br>Rengoldshauser Straße 4, 88662 Überlingen, Deutschland<br>Tel. +49 (0)7551 8099-0 Fax +49 (0)7551 8099-20 www.puren.com |       |       |       |        |        |        |               |        |
| 5                                   | ggf. Name und Kontaktanschrift des Bevollmächtigten, der mit den Aufgaben gemäß Artikel 12 Absatz 2 beauftragt ist                                                                                                                                             |                              | nicht zutreffend                                                                                                                      |       |       |       |        |        |        |               |        |
| 6                                   | System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauproduktes gemäß Anhang V                                                                                                                                                   |                              | System 3                                                                                                                              |       |       |       |        |        |        |               |        |
| 7                                   | Name und Kennnummer der notifizierten Stelle(n) und Beschreibung der Aufgaben Dritter nach Anhang V und Hinweis auf ausgestellte Leistungsbeständigkeitsbescheinigung, Konformitätsbescheinigung für die WPK, Prüf- bzw. Berechnungsberichte - soweit relevant |                              | Das notifizierte Prüflabor (FIW München, 0751) hat anhand einer Typprüfung den Produkttyp nach System 3 festgestellt                  |       |       |       |        |        |        |               |        |
| 8                                   | Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, für das eine Europäische Technische Bewertung ausgestellt worden ist                                                                                                                             |                              | nicht zutreffend                                                                                                                      |       |       |       |        |        |        |               |        |
| 9                                   | Erklärte Leistung                                                                                                                                                                                                                                              |                              |                                                                                                                                       |       |       |       |        |        |        |               |        |
|                                     | Wesentliche Merkmale                                                                                                                                                                                                                                           |                              | Leistung                                                                                                                              |       |       |       |        |        |        | Spezifikation |        |
|                                     | Brandverhalten                                                                                                                                                                                                                                                 |                              | RtF Class E                                                                                                                           |       |       |       |        |        |        | EN 13501-1    |        |
|                                     | Dicke / Dickentoleranz                                                                                                                                                                                                                                         |                              | 20 - 320 mm / T2                                                                                                                      |       |       |       |        |        |        | EN 13165      |        |
|                                     |                                                                                                                                                                                                                                                                | [mm]                         | 20                                                                                                                                    | 40    | 60    | 80    | 100    | 120    | 140    |               | 160    |
|                                     | Wärmedurchlasswiderstand                                                                                                                                                                                                                                       | R <sub>D</sub> [(m²·K)/W]    | 0,700                                                                                                                                 | 1,450 | 2,200 | 3,050 | 3,850  | 4,800  | 5,600  |               | 6,400  |
|                                     | Wärmeleitfähigkeit                                                                                                                                                                                                                                             | λ <sub>D</sub> [W/(m·K)]     | 0,027                                                                                                                                 |       |       | 0,026 |        | 0,025  |        |               |        |
|                                     |                                                                                                                                                                                                                                                                | [mm]                         | 180                                                                                                                                   | 200   | 220   | 240   | 260    | 280    | 300    |               | 320    |
|                                     | Wärmedurchlasswiderstand                                                                                                                                                                                                                                       | R <sub>D</sub> [(m²·K)/W]    | 7,200                                                                                                                                 | 8,000 | 8,800 | 9,600 | 10,400 | 11,200 | 12,000 |               | 12,800 |
|                                     | Wärmeleitfähigkeit                                                                                                                                                                                                                                             | λ <sub>D</sub> [W/(m·K)]     | 0,025                                                                                                                                 |       |       |       |        |        |        |               |        |
|                                     | Druckspannung                                                                                                                                                                                                                                                  |                              | CS(10\Y)150                                                                                                                           |       |       |       |        |        |        |               |        |
|                                     | Zugfestigkeit senkrecht zur Plattenebene                                                                                                                                                                                                                       |                              | TR 100                                                                                                                                |       |       |       |        |        |        |               |        |
|                                     | Dimensionsstabilität unter definierten Temperatur- und Feuchtebedingungen                                                                                                                                                                                      |                              | DS(70,90)3                                                                                                                            |       |       |       |        |        |        |               |        |
|                                     |                                                                                                                                                                                                                                                                |                              | DS(-20,-)2                                                                                                                            |       |       |       |        |        |        |               |        |
| alle anderen Merkmale nach EN 13165 |                                                                                                                                                                                                                                                                | NPD (keine Leistung erklärt) |                                                                                                                                       |       |       |       |        |        |        |               |        |
| 10                                  | Die Leistung des Produktes gemäß der Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 9. Verantwortlich für diese Leistungserklärung ist allein der Hersteller gemäß Nummer 4.                                                                    |                              |                                                                                                                                       |       |       |       |        |        |        |               |        |

Unterzeichnet für und im Namen des Herstellers von:

puren gmbh

Dr. Andreas Huther  
(Geschäftsführer)

Überlingen, 01.07.2013



# Leistungserklärung

gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung)



| Nr.: 2031 - CPR - 2013-07-01        |                                                                                                                                                                                                                                                                |  |                              |                                                                                                                                       |       |       |       |        |        |               |        |       |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|---------------|--------|-------|
| 1                                   | Eindeutiger Kenncode des Produkts                                                                                                                                                                                                                              |  |                              | purenotherm ® WDVS (puren-PIR NE)                                                                                                     |       |       |       |        |        |               |        |       |
| 2                                   | Typen-, Chargen- oder Serien-Nr. zur Identifikation des Bauproduktes gemäß Artikel 11 Absatz 4                                                                                                                                                                 |  |                              | siehe Chargen-Nummer (Produktaufdruck)                                                                                                |       |       |       |        |        |               |        |       |
| 3                                   | Vorgesehender Verwendungszweck                                                                                                                                                                                                                                 |  |                              | Wärmedämmstoffe für Gebäude (ThIB)                                                                                                    |       |       |       |        |        |               |        |       |
| 4                                   | Name, eingetragener Handelsname oder Marke und Kontaktanschrift des Herstellers gemäß Artikel 11 Absatz 5                                                                                                                                                      |  |                              | puren gmbh<br>Rengoldshauser Straße 4, 88662 Überlingen, Deutschland<br>Tel. +49 (0)7551 8099-0 Fax +49 (0)7551 8099-20 www.puren.com |       |       |       |        |        |               |        |       |
| 5                                   | ggf. Name und Kontaktanschrift des Bevollmächtigten, der mit den Aufgaben gemäß Artikel 12 Absatz 2 beauftragt ist                                                                                                                                             |  |                              | nicht zutreffend                                                                                                                      |       |       |       |        |        |               |        |       |
| 6                                   | System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauproduktes gemäß Anhang V                                                                                                                                                   |  |                              | System 3                                                                                                                              |       |       |       |        |        |               |        |       |
| 7                                   | Name und Kennnummer der notifizierten Stelle(n) und Beschreibung der Aufgaben Dritter nach Anhang V und Hinweis auf ausgestellte Leistungsbeständigkeitsbescheinigung, Konformitätsbescheinigung für die WPK, Prüf- bzw. Berechnungsberichte - soweit relevant |  |                              | Das notifizierte Prüflabor (FIW München, 0751) hat anhand einer Typprüfung den Produkttyp nach System 3 festgestellt                  |       |       |       |        |        |               |        |       |
| 8                                   | Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, für das eine Europäische Technische Bewertung ausgestellt worden ist                                                                                                                             |  |                              | nicht zutreffend                                                                                                                      |       |       |       |        |        |               |        |       |
| 9                                   | Erklärte Leistung                                                                                                                                                                                                                                              |  |                              |                                                                                                                                       |       |       |       |        |        |               |        |       |
|                                     | Wesentliche Merkmale                                                                                                                                                                                                                                           |  |                              | Leistung                                                                                                                              |       |       |       |        |        | Spezifikation |        |       |
|                                     | Brandverhalten                                                                                                                                                                                                                                                 |  |                              | RtF Class E                                                                                                                           |       |       |       |        |        | EN 13501-1    |        |       |
|                                     | Dicke / Dickentoleranz                                                                                                                                                                                                                                         |  |                              | 20 - 320 mm / T2                                                                                                                      |       |       |       |        |        | EN 13165      |        |       |
|                                     | [mm]                                                                                                                                                                                                                                                           |  |                              | 20                                                                                                                                    | 40    | 60    | 80    | 100    | 120    |               | 140    | 160   |
|                                     | Wärmedurchlasswiderstand                                                                                                                                                                                                                                       |  | R <sub>D</sub> [(m²·K)/W]    | 0,700                                                                                                                                 | 1,450 | 2,200 | 3,050 | 3,850  | 4,800  |               | 5,600  | 6,400 |
|                                     | Wärmeleitfähigkeit                                                                                                                                                                                                                                             |  | λ <sub>D</sub> [W/(m·K)]     | 0,027                                                                                                                                 |       |       | 0,026 |        | 0,025  |               |        |       |
|                                     | [mm]                                                                                                                                                                                                                                                           |  |                              | 180                                                                                                                                   | 200   | 220   | 240   | 260    | 280    |               | 300    | 320   |
|                                     | Wärmedurchlasswiderstand                                                                                                                                                                                                                                       |  | R <sub>D</sub> [(m²·K)/W]    | 7,200                                                                                                                                 | 8,000 | 8,800 | 9,600 | 10,400 | 11,200 | 12,000        | 12,800 |       |
|                                     | Wärmeleitfähigkeit                                                                                                                                                                                                                                             |  | λ <sub>D</sub> [W/(m·K)]     | 0,025                                                                                                                                 |       |       |       |        |        |               |        |       |
|                                     | Druckspannung                                                                                                                                                                                                                                                  |  |                              | CS(10Y)120                                                                                                                            |       |       |       |        |        |               |        |       |
|                                     | Zugfestigkeit senkrecht zur Plattenebene                                                                                                                                                                                                                       |  |                              | TR 100                                                                                                                                |       |       |       |        |        |               |        |       |
|                                     | Dimensionsstabilität unter definierten Temperatur- und Feuchtebedingungen                                                                                                                                                                                      |  |                              | DS(70,90)3                                                                                                                            |       |       |       |        |        |               |        |       |
|                                     |                                                                                                                                                                                                                                                                |  | DS(-20,-)2                   |                                                                                                                                       |       |       |       |        |        |               |        |       |
| alle anderen Merkmale nach EN 13165 |                                                                                                                                                                                                                                                                |  | NPD (keine Leistung erklärt) |                                                                                                                                       |       |       |       |        |        |               |        |       |
| 10                                  | Die Leistung des Produktes gemäß der Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 9. Verantwortlich für diese Leistungserklärung ist allein der Hersteller gemäß Nummer 4.                                                                    |  |                              |                                                                                                                                       |       |       |       |        |        |               |        |       |

Unterzeichnet für und im Namen des Herstellers von:

**puren gmbh**

Dr. Andreas Huther  
(Geschäftsführer)

Überlingen, 01.07.2013



# Leistungserklärung

gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung)



| Nr.: 4094 - CPR - 2013-07-01 |                                                                                                                                                                                                                                                                |                                                                                                                                              |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 1                            | Eindeutiger Kenncode des Produkts                                                                                                                                                                                                                              | <b>purenit 550MD</b>                                                                                                                         |
| 2                            | Typen-, Chargen- oder Serien-Nr. zur Identifikation des Bauproduktes gemäß Artikel 11 Absatz 4                                                                                                                                                                 | <b>siehe Chargen-Nummer (Produktaufdruck)</b>                                                                                                |
| 3                            | Vorgesehender Verwendungszweck                                                                                                                                                                                                                                 | <b>Wärmedämmstoffe für Gebäude (ThIB)</b>                                                                                                    |
| 4                            | Name, eingetragener Handelsname oder Marke und Kontaktanschrift des Herstellers gemäß Artikel 11 Absatz 5                                                                                                                                                      | <b>puren gmbh</b><br>Rengoldshauser Straße 4, 88662 Überlingen, Deutschland<br>Tel. +49 (0)7551 8099-0 Fax +49 (0)7551 8099-20 www.puren.com |
| 5                            | ggf. Name und Kontaktanschrift des Bevollmächtigten, der mit den Aufgaben gemäß Artikel 12 Absatz 2 beauftragt ist                                                                                                                                             | <b>nicht zutreffend</b>                                                                                                                      |
| 6                            | System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauproduktes gemäß Anhang V                                                                                                                                                   | <b>System 3</b>                                                                                                                              |
| 7                            | Name und Kennnummer der notifizierten Stelle(n) und Beschreibung der Aufgaben Dritter nach Anhang V und Hinweis auf ausgestellte Leistungsbeständigkeitsbescheinigung, Konformitätsbescheinigung für die WPK, Prüf- bzw. Berechnungsberichte - soweit relevant | <b>Das notifizierte Prüflabor (FIW München, 0751) hat anhand einer Typprüfung den Produkttyp nach System 3 festgestellt</b>                  |
| 8                            | Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, für das eine Europäische Technische Bewertung ausgestellt worden ist                                                                                                                             | <b>nicht zutreffend</b>                                                                                                                      |
| <b>Erklärte Leistung</b>     |                                                                                                                                                                                                                                                                |                                                                                                                                              |
| 9                            | <b>Wesentliche Merkmale</b>                                                                                                                                                                                                                                    | <b>Leistung</b> <b>Spezifikation</b>                                                                                                         |
|                              | Brandverhalten                                                                                                                                                                                                                                                 | RtF Class E EN 13501-1                                                                                                                       |
| 10                           | Die Leistung des Produktes gemäß der Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 9. Verantwortlich für diese Leistungserklärung ist allein der Hersteller gemäß Nummer 4.                                                                    |                                                                                                                                              |

Unterzeichnet für und im Namen des Herstellers von:

**puren gmbh**

Dr. Andreas Huther  
(Geschäftsführer)

Überlingen, 01.07.2013



# Leistungserklärung

gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung)



|                              |                                                                                                                                                                                                                                                                |                                                                                                                                       |               |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Nr.: 9719 - CPR - 2013-07-01 |                                                                                                                                                                                                                                                                |                                                                                                                                       |               |
| 1                            | Eindeutiger Kenncode des Produkts                                                                                                                                                                                                                              | puren-DuoTwin                                                                                                                         |               |
| 2                            | Typen-, Chargen- oder Serien-Nr. zur Identifikation des Bauproduktes gemäß Artikel 11 Absatz 4                                                                                                                                                                 | siehe Produktetikett                                                                                                                  |               |
| 3                            | Vorgesehender Verwendungszweck                                                                                                                                                                                                                                 | Holzverbindungsmittel                                                                                                                 |               |
| 4                            | Name, eingetragener Handelsname oder Marke und Kontaktanschrift des Herstellers gemäß Artikel 11 Absatz 5                                                                                                                                                      | puren gmbh<br>Rengoldshauser Straße 4, 88662 Überlingen, Deutschland<br>Tel. +49 (0)7551 8099-0 Fax +49 (0)7551 8099-20 www.puren.com |               |
| 5                            | ggf. Name und Kontaktanschrift des Bevollmächtigten, der mit den Aufgaben gemäß Artikel 12 Absatz 2 beauftragt ist                                                                                                                                             | nicht zutreffend                                                                                                                      |               |
| 6                            | System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauproduktes gemäß Anhang V                                                                                                                                                   | System 2+                                                                                                                             |               |
| 7                            | Name und Kennnummer der notifizierten Stelle(n) und Beschreibung der Aufgaben Dritter nach Anhang V und Hinweis auf ausgestellte Leistungsbeständigkeitsbescheinigung, Konformitätsbescheinigung für die WPK, Prüf- bzw. Berechnungsberichte - soweit relevant | nicht zutreffend                                                                                                                      |               |
| 8                            | Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, für das eine Europäische Technische Bewertung ausgestellt worden ist:                                                                                                                            |                                                                                                                                       |               |
|                              | Name und Kennnummer der technischen Bewertungsstelle:                                                                                                                                                                                                          | Deutsches Institut für Bautechnik                                                                                                     |               |
|                              | Harmonisierte technische Spezifikation:                                                                                                                                                                                                                        | CUAP 06.03/08                                                                                                                         |               |
|                              | Europäische technische Bewertung / Zulassung:                                                                                                                                                                                                                  | ETA-12/0038                                                                                                                           |               |
|                              | Stelle, System der Bewertung / Überprüfung der Leistungsbeständigkeit:                                                                                                                                                                                         | Materialprüfungsanstalt Universität Stuttgart, 1080, System 2+                                                                        |               |
|                              | Konformitätsbescheinigung für die werkseigene Produktionskontrolle:                                                                                                                                                                                            | 0672-CPD-141220                                                                                                                       |               |
| Erklärte Leistung            |                                                                                                                                                                                                                                                                |                                                                                                                                       |               |
| 9                            | Wesentliche Merkmale                                                                                                                                                                                                                                           | Leistung                                                                                                                              | Spezifikation |
|                              | siehe ETA                                                                                                                                                                                                                                                      | siehe ETA                                                                                                                             | siehe ETA     |
| 10                           | Die Leistung des Produktes gemäß der Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 9. Verantwortlich für diese Leistungserklärung ist allein der Hersteller gemäß Nummer 4.                                                                    |                                                                                                                                       |               |

Unterzeichnet für und im Namen des Herstellers von:

**puren gmbh**

Dr. Andreas Huther  
(Geschäftsführer)



## Leistungserklärung

gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung)



|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                       |               |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Nr.:              | 9729 - CPR - 2013-07-01                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                       |               |
| 1                 | Eindeutiger Kenncode des Produkts                                                                                                                                                                                                                                                                                                                                                                                                                             | puren-DaBau                                                                                                                           |               |
| 2                 | Typen-, Chargen- oder Serien-Nr. zur Identifikation des Bauproduktes gemäß Artikel 11 Absatz 4                                                                                                                                                                                                                                                                                                                                                                | siehe Produktetikett                                                                                                                  |               |
| 3                 | Vorgesehender Verwendungszweck                                                                                                                                                                                                                                                                                                                                                                                                                                | Holzverbindungsmittel                                                                                                                 |               |
| 4                 | Name, eingetragener Handelsname oder Marke und Kontaktanschrift des Herstellers gemäß Artikel 11 Absatz 5                                                                                                                                                                                                                                                                                                                                                     | puren gmbh<br>Rengoldshauser Straße 4, 88662 Überlingen, Deutschland<br>Tel. +49 (0)7551 8099-0 Fax +49 (0)7551 8099-20 www.puren.com |               |
| 5                 | ggf. Name und Kontaktanschrift des Bevollmächtigten, der mit den Aufgaben gemäß Artikel 12 Absatz 2 beauftragt ist                                                                                                                                                                                                                                                                                                                                            | nicht zutreffend                                                                                                                      |               |
| 6                 | System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauproduktes gemäß Anhang V                                                                                                                                                                                                                                                                                                                                                  | System 2+                                                                                                                             |               |
| 7                 | Name und Kennnummer der notifizierten Stelle(n) und Beschreibung der Aufgaben Dritter nach Anhang V und Hinweis auf ausgestellte Leistungsbeständigkeitsbescheinigung, Konformitätsbescheinigung für die WPK, Prüf- bzw. Berechnungsberichte - soweit relevant                                                                                                                                                                                                | nicht zutreffend                                                                                                                      |               |
| 8                 | Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, für das eine Europäische Technische Bewertung ausgestellt worden ist:<br><br>Name und Kennnummer der technischen Bewertungsstelle:<br><br>Harmonisierte technische Spezifikation:<br><br>Europäische technische Bewertung / Zulassung:<br><br>Stelle, System der Bewertung / Überprüfung der Leistungsbeständigkeit:<br><br>Konformitätsbescheinigung für die werkseigene Produktionskontrolle: | ETA Danmark A/S<br><br>CUAP 06.03/08<br>ETA-12/0087<br><br>HFB Engineering GmbH,<br>System 2+<br>1034-CPD-2070                        |               |
| Erklärte Leistung |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                       |               |
| 9                 | Wesentliche Merkmale                                                                                                                                                                                                                                                                                                                                                                                                                                          | Leistung                                                                                                                              | Spezifikation |
|                   | siehe ETA                                                                                                                                                                                                                                                                                                                                                                                                                                                     | siehe ETA                                                                                                                             | siehe ETA     |
| 10                | Die Leistung des Produktes gemäß der Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 9. Verantwortlich für diese Leistungserklärung ist allein der Hersteller gemäß Nummer 4.                                                                                                                                                                                                                                                                   |                                                                                                                                       |               |

Unterzeichnet für und im Namen des Herstellers von:

**puren gmbh**

  
Dr. Andreas Huther  
(Geschäftsführer)



# Leistungserklärung

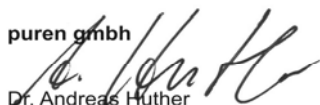
gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung)



|                   |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                         |                              |                    |               |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------|---------------|
| Nr.:              | 9819 - CPR - 2013-07-01                                                                                                                                                                                                                                        |                                                                                                                                                                                                         |                              |                    |               |
| 1                 | Eindeutiger Kenncode des Produkts                                                                                                                                                                                                                              | puren-DB 100                                                                                                                                                                                            |                              |                    |               |
| 2                 | Typen-, Chargen- oder Serien-Nr. zur Identifikation des Bauproduktes gemäß Artikel 11 Absatz 4                                                                                                                                                                 | siehe Chargen-Nummer (Produktaufdruck)                                                                                                                                                                  |                              |                    |               |
| 3                 | Vorgesehender Verwendungszweck                                                                                                                                                                                                                                 | Kunststoff- und Elastomer-Dampfsperrbahnen                                                                                                                                                              |                              |                    |               |
| 4                 | Name, eingetragener Handelsname oder Marke und Kontaktanschrift des Herstellers gemäß Artikel 11 Absatz 5                                                                                                                                                      | puren gmbh<br>Rengoldshauser Straße 4, 88662 Überlingen, Deutschland<br>Tel. +49 (0)7551 8099-0 Fax +49 (0)7551 8099-20 www.puren.com                                                                   |                              |                    |               |
| 5                 | ggf. Name und Kontaktanschrift des Bevollmächtigten, der mit den Aufgaben gemäß Artikel 12 Absatz 2 beauftragt ist                                                                                                                                             | nicht zutreffend                                                                                                                                                                                        |                              |                    |               |
| 6                 | System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauproduktes gemäß Anhang V                                                                                                                                                   | System 3                                                                                                                                                                                                |                              |                    |               |
| 7                 | Name und Kennnummer der notifizierten Stelle(n) und Beschreibung der Aufgaben Dritter nach Anhang V und Hinweis auf ausgestellte Leistungsbeständigkeitsbescheinigung, Konformitätsbescheinigung für die WPK, Prüf- bzw. Berechnungsberichte - soweit relevant | Das notifizierte Prüflabor MPA Dresden (0767) hat die Prüfung des Brandverhaltens vorgenommen.<br>KIWA TBU Greven (0799) hat die Prüfung der Wasserdichtheit und des Diffusionswiderstands vorgenommen. |                              |                    |               |
| 8                 | Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, für das eine Europäische Technische Bewertung ausgestellt worden ist                                                                                                                             | nicht zutreffend                                                                                                                                                                                        |                              |                    |               |
| Erklärte Leistung |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                         |                              |                    |               |
| 9                 | Wesentliche Merkmale                                                                                                                                                                                                                                           |                                                                                                                                                                                                         | Leistung                     |                    | Spezifikation |
|                   |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                         | Sollwert                     | Toleranz<br>minmax |               |
|                   | Brandverhalten                                                                                                                                                                                                                                                 |                                                                                                                                                                                                         | RtF Class E                  |                    | EN 13501-1    |
|                   | Länge                                                                                                                                                                                                                                                          | [m]                                                                                                                                                                                                     | 50                           | 0%                 | -             |
|                   | Breite                                                                                                                                                                                                                                                         | [cm]                                                                                                                                                                                                    | 150                          | -0,5%              | 1,5%          |
|                   | Geradheit                                                                                                                                                                                                                                                      | [mm/10m]                                                                                                                                                                                                | < 75                         |                    |               |
|                   | Wasserdichtheit                                                                                                                                                                                                                                                |                                                                                                                                                                                                         | bestanden bei 2 Pa           |                    |               |
|                   | Flächengewicht                                                                                                                                                                                                                                                 | [g/m²]                                                                                                                                                                                                  | 165                          | -10%               | +10%          |
|                   | Wasserdampfdurchlässigkeit                                                                                                                                                                                                                                     |                                                                                                                                                                                                         | ≥ 100                        |                    |               |
|                   | Dauerhaftigkeit des Wasserdampfdurchlasswiderstands gegen künstliche Alterung                                                                                                                                                                                  |                                                                                                                                                                                                         | bestanden                    |                    | EN 13984      |
|                   | Höchstzugkraft Längs / Quer                                                                                                                                                                                                                                    | [N/5cm]                                                                                                                                                                                                 | 530 / 400                    |                    |               |
|                   | Dehnung bei Höchstzugkraft Längs / Quer                                                                                                                                                                                                                        | [%]                                                                                                                                                                                                     | 18 / 15                      |                    |               |
|                   | Weiterreißwiderstand (Nagelschaft) Längs / Quer                                                                                                                                                                                                                | [N]                                                                                                                                                                                                     | 350                          |                    |               |
|                   | Scherwiderstand der Fügenaht                                                                                                                                                                                                                                   | [N]                                                                                                                                                                                                     | 25                           |                    |               |
|                   | Sichtbare Mängel                                                                                                                                                                                                                                               |                                                                                                                                                                                                         | keine                        |                    |               |
|                   | Luftdichtheit                                                                                                                                                                                                                                                  |                                                                                                                                                                                                         | bestanden                    |                    |               |
|                   | alle anderen Merkmale nach EN 13984                                                                                                                                                                                                                            |                                                                                                                                                                                                         | NPD (keine Leistung erklärt) |                    |               |
| 10                | Die Leistung des Produktes gemäß der Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 9. Verantwortlich für diese Leistungserklärung ist allein der Hersteller gemäß Nummer 4.                                                                    |                                                                                                                                                                                                         |                              |                    |               |

Unterzeichnet für und im Namen des Herstellers von:

**puren gmbh**

  
Dr. Andreas Huther  
(Geschäftsführer)



# Leistungserklärung

gemäß Anhang III der Verordnung (EU) 305/2011 (Bauproduktenverordnung)



|               |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                         |                    |               |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------|
| Nr.:          | 9829 - CPR - 2013-07-01                                                                                                                                                                                                                                        |                                                                                                                                                                                                         |                    |               |
| 1             | Eindeutiger Kenncode des Produkts                                                                                                                                                                                                                              | puren-DB blau                                                                                                                                                                                           |                    |               |
| 2             | Typen-, Chargen- oder Serien-Nr. zur Identifikation des Bauproduktes gemäß Artikel 11 Absatz 4                                                                                                                                                                 | siehe Chargen-Nummer (Produktaufdruck)                                                                                                                                                                  |                    |               |
| 3             | Vorgesehender Verwendungszweck                                                                                                                                                                                                                                 | Kunststoff- und Elastomer-Dampfsperrbahnen                                                                                                                                                              |                    |               |
| 4             | Name, eingetragener Handelsname oder Marke und Kontaktanschrift des Herstellers gemäß Artikel 11 Absatz 5                                                                                                                                                      | puren gmbh<br>Rengoldshauser Straße 4, 88662 Überlingen, Deutschland<br>Tel. +49 (0)7551 8099-0 Fax +49 (0)7551 8099-20 www.puren.com                                                                   |                    |               |
| 5             | ggf. Name und Kontaktanschrift des Bevollmächtigten, der mit den Aufgaben gemäß Artikel 12 Absatz 2 beauftragt ist                                                                                                                                             | nicht zutreffend                                                                                                                                                                                        |                    |               |
| 6             | System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauproduktes gemäß Anhang V                                                                                                                                                   | System 3                                                                                                                                                                                                |                    |               |
| 7             | Name und Kennnummer der notifizierten Stelle(n) und Beschreibung der Aufgaben Dritter nach Anhang V und Hinweis auf ausgestellte Leistungsbeständigkeitsbescheinigung, Konformitätsbescheinigung für die WPK, Prüf- bzw. Berechnungsberichte - soweit relevant | Das notifizierte Prüflabor MPA Dresden (0767) hat die Prüfung des Brandverhaltens vorgenommen.<br>KIWA TBU Greven (0799) hat die Prüfung der Wasserdichtheit und des Diffusionswiderstands vorgenommen. |                    |               |
| 8             | Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, für das eine Europäische Technische Bewertung ausgestellt worden ist                                                                                                                             | nicht zutreffend                                                                                                                                                                                        |                    |               |
| 9             | Erklärte Leistung                                                                                                                                                                                                                                              |                                                                                                                                                                                                         |                    |               |
|               | Wesentliche Merkmale                                                                                                                                                                                                                                           | Leistung                                                                                                                                                                                                |                    | Spezifikation |
|               |                                                                                                                                                                                                                                                                | Sollwert                                                                                                                                                                                                | Toleranz<br>minmax |               |
|               | Brandverhalten                                                                                                                                                                                                                                                 | RtF Class E                                                                                                                                                                                             |                    | EN 13501-1    |
|               | Länge [m]                                                                                                                                                                                                                                                      | 50                                                                                                                                                                                                      | 0%                 | -             |
|               | Breite [cm]                                                                                                                                                                                                                                                    | 150                                                                                                                                                                                                     | -0,5%              | 1,5%          |
|               | Geradheit [mm/10m]                                                                                                                                                                                                                                             | < 75                                                                                                                                                                                                    |                    |               |
|               | Wasserdichtheit                                                                                                                                                                                                                                                | bestanden bei 2 Pa                                                                                                                                                                                      |                    |               |
|               | Flächengewicht [g/m²]                                                                                                                                                                                                                                          | 165                                                                                                                                                                                                     | -10%               | +10%          |
|               | Wasserdampfdurchlässigkeit [m]                                                                                                                                                                                                                                 | ≥ 3                                                                                                                                                                                                     |                    |               |
|               | Dauerhaftigkeit des Wasserdampfdurchlasswiderstands gegen künstliche Alterung                                                                                                                                                                                  | bestanden                                                                                                                                                                                               |                    | EN 13984:2103 |
|               | Höchstzugkraft Längs / Quer [N/5cm]                                                                                                                                                                                                                            | 400                                                                                                                                                                                                     |                    |               |
|               | Dehnung bei Höchstzugkraft Längs / Quer [%]                                                                                                                                                                                                                    | 15 / 20                                                                                                                                                                                                 |                    |               |
|               | Weiterreißwiderstand (Nagelschaft) Längs / Quer [N]                                                                                                                                                                                                            | 350 / 400                                                                                                                                                                                               |                    |               |
|               | Sichtbare Mängel                                                                                                                                                                                                                                               | keine                                                                                                                                                                                                   |                    |               |
| Luftdichtheit | bestanden                                                                                                                                                                                                                                                      |                                                                                                                                                                                                         |                    |               |
| 10            | Die Leistung des Produktes gemäß der Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 9. Verantwortlich für diese Leistungserklärung ist allein der Hersteller gemäß Nummer 4.                                                                    |                                                                                                                                                                                                         |                    |               |

Unterzeichnet für und im Namen des Herstellers von:

**puren gmbh**

Dr. Andreas Huther  
(Geschäftsführer)



# Declaration of Performance

according to annex III, Regulation (EU) 305/2011  
(Construction Products Regulation)



|      |                                                                                                                                                                                                                                           |  |  |                                                                                                                                |       |       |       |       |       |       |       |       |       |                                    |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------------|
| No.: | 1121 - CPR - 2013-07-01                                                                                                                                                                                                                   |  |  |                                                                                                                                |       |       |       |       |       |       |       |       |       |                                    |
| 1    | Unique identification code of the product-type                                                                                                                                                                                            |  |  | puren-PIR MV (ÜB)                                                                                                              |       |       |       |       |       |       |       |       |       |                                    |
| 2    | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)                                                                                               |  |  | see marking on boards                                                                                                          |       |       |       |       |       |       |       |       |       |                                    |
| 3    | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer                                                                                   |  |  | Thermal insulation for buildings (ThIB)                                                                                        |       |       |       |       |       |       |       |       |       |                                    |
| 4    | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)                                                                                                        |  |  | puren gmbh<br>Rengoldshauser Strasse 4, D-88662 Überlingen, Germany<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com |       |       |       |       |       |       |       |       |       |                                    |
| 5    | Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)                                                                                                     |  |  | not relevant                                                                                                                   |       |       |       |       |       |       |       |       |       |                                    |
| 6    | System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V                                                                                                            |  |  | AVCP 3                                                                                                                         |       |       |       |       |       |       |       |       |       |                                    |
| 7    | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              |  |  | Notified testing laboratory (FIW München, 0751) performed the test reports on the declared characteristics under system AVCP 3 |       |       |       |       |       |       |       |       |       |                                    |
| 8    | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              |  |  | not relevant                                                                                                                   |       |       |       |       |       |       |       |       |       |                                    |
| 9    | Declared Performance                                                                                                                                                                                                                      |  |  |                                                                                                                                |       |       |       |       |       |       |       |       |       |                                    |
|      | Essential characteristics                                                                                                                                                                                                                 |  |  | Performance                                                                                                                    |       |       |       |       |       |       |       |       |       | Harmonised technical specification |
|      | Reaction to fire                                                                                                                                                                                                                          |  |  | RtF Class E                                                                                                                    |       |       |       |       |       |       |       |       |       | EN 13501-1                         |
|      | Thickness / Thickness Tolerance                                                                                                                                                                                                           |  |  | 20 - 200 mm / T2                                                                                                               |       |       |       |       |       |       |       |       |       | EN 13165                           |
|      | [mm]                                                                                                                                                                                                                                      |  |  | 20                                                                                                                             | 40    | 60    | 80    | 100   | 120   | 140   | 160   | 180   | 200   |                                    |
|      | Thermal resistance $R_D$ [(m²·K)/W]                                                                                                                                                                                                       |  |  | 0,700                                                                                                                          | 1,400 | 2,100 | 3,050 | 3,850 | 4,800 | 5,600 | 6,400 | 7,200 | 8,000 |                                    |
|      | Thermal conductivity $\lambda_D$ [W/(m·K)]                                                                                                                                                                                                |  |  | 0,028                                                                                                                          |       | 0,026 |       | 0,025 |       |       |       |       |       |                                    |
|      | Compressive strength                                                                                                                                                                                                                      |  |  | CS(10Y)150                                                                                                                     |       |       |       |       |       |       |       |       |       |                                    |
|      | Tensile strength                                                                                                                                                                                                                          |  |  | TR 40                                                                                                                          |       |       |       |       |       |       |       |       |       |                                    |
|      | Dimensional stability under specified temperature and humidity conditions                                                                                                                                                                 |  |  | DS(70,90)3<br>DS(-20,-)2                                                                                                       |       |       |       |       |       |       |       |       |       |                                    |
|      | all other characteristics according to EN 13165                                                                                                                                                                                           |  |  | NPD (No Performance Determined)                                                                                                |       |       |       |       |       |       |       |       |       |                                    |
| 10   | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. |  |  |                                                                                                                                |       |       |       |       |       |       |       |       |       |                                    |

Signed for and on behalf of the manufacturer by:

**puren gmbh**

Dr. Andreas Huther  
(Managing Director)

Überlingen, 07/01/2013



# Declaration of Performance

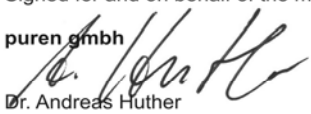
according to annex III, Regulation (EU) 305/2011  
(Construction Products Regulation)



|                                                 |                                                                                                                                                                                                                                           |                                 |                                                                                                                                |       |       |       |       |       |       |                                    |       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|------------------------------------|-------|
| No.:                                            | 1122 - CPR - 2013-07-01                                                                                                                                                                                                                   |                                 |                                                                                                                                |       |       |       |       |       |       |                                    |       |
| 1                                               | Unique identification code of the product-type                                                                                                                                                                                            |                                 | puren-PIR MV (AG)                                                                                                              |       |       |       |       |       |       |                                    |       |
| 2                                               | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)                                                                                               |                                 | see marking on boards                                                                                                          |       |       |       |       |       |       |                                    |       |
| 3                                               | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer                                                                                   |                                 | Thermal insulation for buildings (ThiB)                                                                                        |       |       |       |       |       |       |                                    |       |
| 4                                               | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)                                                                                                        |                                 | puren gmbh<br>Rengoldshauser Strasse 4, D-88662 Überlingen, Germany<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com |       |       |       |       |       |       |                                    |       |
| 5                                               | Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)                                                                                                     |                                 | not relevant                                                                                                                   |       |       |       |       |       |       |                                    |       |
| 6                                               | System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V                                                                                                            |                                 | AVCP 3                                                                                                                         |       |       |       |       |       |       |                                    |       |
| 7                                               | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              |                                 | Notified testing laboratory (FIW München, 0751) performed the test reports on the declared characteristics under system AVCP 3 |       |       |       |       |       |       |                                    |       |
| 8                                               | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              |                                 | not relevant                                                                                                                   |       |       |       |       |       |       |                                    |       |
| 9                                               | Declared Performance                                                                                                                                                                                                                      |                                 |                                                                                                                                |       |       |       |       |       |       |                                    |       |
|                                                 | Essential characteristics                                                                                                                                                                                                                 |                                 | Performance                                                                                                                    |       |       |       |       |       |       | Harmonised technical specification |       |
|                                                 | Reaction to fire                                                                                                                                                                                                                          |                                 | RtF Class E                                                                                                                    |       |       |       |       |       |       | EN 13501-1                         |       |
|                                                 | Thickness / Thickness Tolerance                                                                                                                                                                                                           |                                 | 50 - 180 mm / T2                                                                                                               |       |       |       |       |       |       | EN 13165                           |       |
|                                                 | [mm]                                                                                                                                                                                                                                      |                                 | 50                                                                                                                             | 60    | 80    | 100   | 120   | 140   | 160   |                                    | 180   |
|                                                 | Thermal resistance $R_D$ [(m²·K)/W]                                                                                                                                                                                                       |                                 | 1,750                                                                                                                          | 2,100 | 3,050 | 3,850 | 4,800 | 5,600 | 6,400 |                                    | 7,200 |
|                                                 | Thermal conductivity $\lambda_D$ [W/(m·K)]                                                                                                                                                                                                |                                 | 0,028                                                                                                                          |       | 0,026 |       | 0,025 |       |       |                                    |       |
|                                                 | Compressive strength                                                                                                                                                                                                                      |                                 | CS(10Y)120                                                                                                                     |       |       |       |       |       |       |                                    |       |
|                                                 | Tensile strength                                                                                                                                                                                                                          |                                 | TR 40                                                                                                                          |       |       |       |       |       |       |                                    |       |
|                                                 | Dimensional stability under specified temperature and humidity conditions                                                                                                                                                                 |                                 | DS(70,90)3<br>DS(-20,-)2                                                                                                       |       |       |       |       |       |       |                                    |       |
| all other characteristics according to EN 13165 |                                                                                                                                                                                                                                           | NPD (No Performance Determined) |                                                                                                                                |       |       |       |       |       |       |                                    |       |
| 10                                              | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. |                                 |                                                                                                                                |       |       |       |       |       |       |                                    |       |

Signed for and on behalf of the manufacturer by:

**puren gmbh**

  
Dr. Andreas Huther  
(Managing Director)

Überlingen, 07/01/2013



# Declaration of Performance

according to annex III, Regulation (EU) 305/2011  
(Construction Products Regulation)



|      |                                                                                                                                                                                                                                           |  |  |                                                                                                                                |       |       |       |       |       |       |                                    |  |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|------------------------------------|--|
| No.: | 1123 - CPR - 2013-07-01                                                                                                                                                                                                                   |  |  |                                                                                                                                |       |       |       |       |       |       |                                    |  |
| 1    | Unique identification code of the product-type                                                                                                                                                                                            |  |  | puren-PIR MV (NH)                                                                                                              |       |       |       |       |       |       |                                    |  |
| 2    | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)                                                                                               |  |  | see marking on boards                                                                                                          |       |       |       |       |       |       |                                    |  |
| 3    | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer                                                                                   |  |  | Thermal insulation for buildings (ThIB)                                                                                        |       |       |       |       |       |       |                                    |  |
| 4    | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)                                                                                                        |  |  | puren gmbh<br>Rengoldshauser Strasse 4, D-88662 Überlingen, Germany<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com |       |       |       |       |       |       |                                    |  |
| 5    | Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)                                                                                                     |  |  | not relevant                                                                                                                   |       |       |       |       |       |       |                                    |  |
| 6    | System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V                                                                                                            |  |  | AVCP 3                                                                                                                         |       |       |       |       |       |       |                                    |  |
| 7    | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              |  |  | Notified testing laboratory (FIW München, 0751) performed the test reports on the declared characteristics under system AVCP 3 |       |       |       |       |       |       |                                    |  |
| 8    | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              |  |  | not relevant                                                                                                                   |       |       |       |       |       |       |                                    |  |
| 9    | Declared Performance                                                                                                                                                                                                                      |  |  |                                                                                                                                |       |       |       |       |       |       |                                    |  |
|      | Essential characteristics                                                                                                                                                                                                                 |  |  | Performance                                                                                                                    |       |       |       |       |       |       | Harmonised technical specification |  |
|      | Reaction to fire                                                                                                                                                                                                                          |  |  | RtF Class E                                                                                                                    |       |       |       |       |       |       | EN 13501-1                         |  |
|      | Thickness / Thickness Tolerance                                                                                                                                                                                                           |  |  | 20 - 140 mm / T2                                                                                                               |       |       |       |       |       |       | EN 13165                           |  |
|      | [mm]                                                                                                                                                                                                                                      |  |  | 20                                                                                                                             | 40    | 60    | 80    | 100   | 120   | 140   |                                    |  |
|      | Thermal resistance $R_D$ [(m²·K)/W]                                                                                                                                                                                                       |  |  | 0,700                                                                                                                          | 1,400 | 2,100 | 3,050 | 3,850 | 4,800 | 5,600 |                                    |  |
|      | Thermal conductivity $\lambda_D$ [W/(m·K)]                                                                                                                                                                                                |  |  | 0,028                                                                                                                          |       |       | 0,026 |       | 0,025 |       |                                    |  |
|      | Compressive strength                                                                                                                                                                                                                      |  |  | CS(10Y)150                                                                                                                     |       |       |       |       |       |       |                                    |  |
|      | Tensile strength                                                                                                                                                                                                                          |  |  | TR 40                                                                                                                          |       |       |       |       |       |       |                                    |  |
|      | Dimensional stability under specified temperature and humidity conditions                                                                                                                                                                 |  |  | DS(70,90)3<br>DS(-20,-)2                                                                                                       |       |       |       |       |       |       |                                    |  |
|      | all other characteristics according to EN 13165                                                                                                                                                                                           |  |  | NPD (No Performance Determined)                                                                                                |       |       |       |       |       |       |                                    |  |
| 10   | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. |  |  |                                                                                                                                |       |       |       |       |       |       |                                    |  |

Signed for and on behalf of the manufacturer by:

**puren gmbh**

Dr. Andreas Huther  
(Managing Director)

Überlingen, 07/01/2013



# Declaration of Performance

according to annex III, Regulation (EU) 305/2011  
(Construction Products Regulation)



| No.: 1129 - CPR - 2013-07-01 |                                                                                                                                                         |                                                                                                                                                                                                                                           |                                                                                                                                |                                 |       |         |       |                                    |  |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------|---------|-------|------------------------------------|--|
| 1                            | Unique identification code of the product-type                                                                                                          |                                                                                                                                                                                                                                           | puren-PIR SV                                                                                                                   |                                 |       |         |       |                                    |  |
| 2                            | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)             |                                                                                                                                                                                                                                           | see marking on boards                                                                                                          |                                 |       |         |       |                                    |  |
| 3                            | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer |                                                                                                                                                                                                                                           | Thermal insulation for buildings (ThIB)                                                                                        |                                 |       |         |       |                                    |  |
| 4                            | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)                      |                                                                                                                                                                                                                                           | puren gmbh<br>Rengoldshauser Strasse 4, D-88662 Überlingen, Germany<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com |                                 |       |         |       |                                    |  |
| 5                            | Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)                   |                                                                                                                                                                                                                                           | not relevant                                                                                                                   |                                 |       |         |       |                                    |  |
| 6                            | System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V                          |                                                                                                                                                                                                                                           | AVCP 3                                                                                                                         |                                 |       |         |       |                                    |  |
| 7                            | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                            |                                                                                                                                                                                                                                           | Notified testing laboratory (FIW München, 0751) performed the test reports on the declared characteristics under system AVCP 3 |                                 |       |         |       |                                    |  |
| 8                            | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                            |                                                                                                                                                                                                                                           | not relevant                                                                                                                   |                                 |       |         |       |                                    |  |
| 9                            | Declared Performance                                                                                                                                    |                                                                                                                                                                                                                                           |                                                                                                                                |                                 |       |         |       |                                    |  |
|                              | Essential characteristics                                                                                                                               |                                                                                                                                                                                                                                           | Performance                                                                                                                    |                                 |       |         |       | Harmonised technical specification |  |
|                              | Reaction to fire                                                                                                                                        |                                                                                                                                                                                                                                           | RtF Class E                                                                                                                    |                                 |       |         |       | EN 13501-1                         |  |
|                              | Thickness                                                                                                                                               | [mm]                                                                                                                                                                                                                                      | 25                                                                                                                             | 30                              | 40    | 50      | 60    | 80                                 |  |
|                              | Thermal resistance                                                                                                                                      | R <sub>D</sub> [(m²·K)/W]                                                                                                                                                                                                                 | 0,850                                                                                                                          | 1,000                           | 1,350 | 1,700   | 2,050 | 2,850                              |  |
|                              | Thermal conductivity                                                                                                                                    | λ <sub>D</sub> [W/(m·K)]                                                                                                                                                                                                                  | 0,029                                                                                                                          |                                 |       |         |       | 0,028                              |  |
|                              | Thickness Tolerance                                                                                                                                     | [mm]                                                                                                                                                                                                                                      | T3 / ±1,5                                                                                                                      |                                 |       | T2 / ±3 |       | T2 / +5 -3                         |  |
|                              | Compressive strength                                                                                                                                    |                                                                                                                                                                                                                                           | CS(10\Y)150                                                                                                                    |                                 |       |         |       |                                    |  |
|                              | Tensile strength                                                                                                                                        |                                                                                                                                                                                                                                           | NPD (No Performance Determined)                                                                                                |                                 |       |         |       |                                    |  |
|                              | Dimensional stability under specified temperature and humidity conditions                                                                               |                                                                                                                                                                                                                                           | DS(70,90)4                                                                                                                     |                                 |       |         |       |                                    |  |
|                              |                                                                                                                                                         |                                                                                                                                                                                                                                           | DS(-20,-)2                                                                                                                     |                                 |       |         |       |                                    |  |
|                              | all other characteristics according to 13165                                                                                                            |                                                                                                                                                                                                                                           | EN                                                                                                                             | NPD (No Performance Determined) |       |         |       |                                    |  |
|                              | 10                                                                                                                                                      | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. |                                                                                                                                |                                 |       |         |       |                                    |  |

Signed for and on behalf of the manufacturer by:

puren gmbh

Dr. Andreas Huther  
(Managing Director)

Überlingen, 07/01/2013



# Declaration of Performance

according to annex III, Regulation (EU) 305/2011  
(Construction Products Regulation)



|      |                                                                                                                                                         |                                                                                                                                                                                                                                           |  |                                                                                                                                |       |       |       |       |       |       |       |                                    |       |       |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|------------------------------------|-------|-------|
| No.: | 1221 - CPR - 2013-07-01                                                                                                                                 |                                                                                                                                                                                                                                           |  |                                                                                                                                |       |       |       |       |       |       |       |                                    |       |       |
| 1    | Unique identification code of the product-type                                                                                                          |                                                                                                                                                                                                                                           |  | puren-PIR Alu (ÜB)                                                                                                             |       |       |       |       |       |       |       |                                    |       |       |
| 2    | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)             |                                                                                                                                                                                                                                           |  | see marking on boards                                                                                                          |       |       |       |       |       |       |       |                                    |       |       |
| 3    | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer |                                                                                                                                                                                                                                           |  | Thermal insulation for buildings (ThIB)                                                                                        |       |       |       |       |       |       |       |                                    |       |       |
| 4    | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)                      |                                                                                                                                                                                                                                           |  | puren gmbh<br>Rengoldshauser Strasse 4, D-88662 Überlingen, Germany<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com |       |       |       |       |       |       |       |                                    |       |       |
| 5    | Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)                   |                                                                                                                                                                                                                                           |  | not relevant                                                                                                                   |       |       |       |       |       |       |       |                                    |       |       |
| 6    | System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V                          |                                                                                                                                                                                                                                           |  | AVCP 3                                                                                                                         |       |       |       |       |       |       |       |                                    |       |       |
| 7    | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                            |                                                                                                                                                                                                                                           |  | Notified testing laboratory (FIW München, 0751) performed the test reports on the declared characteristics under system AVCP 3 |       |       |       |       |       |       |       |                                    |       |       |
| 8    | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                            |                                                                                                                                                                                                                                           |  | not relevant                                                                                                                   |       |       |       |       |       |       |       |                                    |       |       |
| 9    | Declared Performance                                                                                                                                    |                                                                                                                                                                                                                                           |  |                                                                                                                                |       |       |       |       |       |       |       |                                    |       |       |
|      | Essential characteristics                                                                                                                               |                                                                                                                                                                                                                                           |  | Performance                                                                                                                    |       |       |       |       |       |       |       | Harmonised technical specification |       |       |
|      | Reaction to fire                                                                                                                                        |                                                                                                                                                                                                                                           |  | RtF Class E                                                                                                                    |       |       |       |       |       |       |       | EN 13501-1                         |       |       |
|      | Thickness / Thickness Tolerance                                                                                                                         |                                                                                                                                                                                                                                           |  | 20 - 200 mm / T2                                                                                                               |       |       |       |       |       |       |       | EN 13165                           |       |       |
|      | [mm]                                                                                                                                                    |                                                                                                                                                                                                                                           |  | 20                                                                                                                             | 40    | 60    | 80    | 100   | 120   | 140   | 160   |                                    | 180   | 200   |
|      | Thermal resistance R <sub>D</sub> [(m²·K)/W]                                                                                                            |                                                                                                                                                                                                                                           |  | 0,850                                                                                                                          | 1,700 | 2,600 | 3,600 | 4,550 | 5,450 | 6,350 | 7,250 |                                    | 8,150 | 9,050 |
|      | Thermal conductivity λ <sub>D</sub> [W/(m·K)]                                                                                                           |                                                                                                                                                                                                                                           |  | 0,023                                                                                                                          |       | 0,022 |       |       |       |       |       |                                    |       |       |
|      | Compressive strength                                                                                                                                    |                                                                                                                                                                                                                                           |  | CS(10Y)120                                                                                                                     |       |       |       |       |       |       |       |                                    |       |       |
|      | Tensile strength                                                                                                                                        |                                                                                                                                                                                                                                           |  | TR 40                                                                                                                          |       |       |       |       |       |       |       |                                    |       |       |
|      | Dimensional stability under specified temperature and humidity conditions                                                                               |                                                                                                                                                                                                                                           |  | DS(70,90)3<br>DS(-20,-)2                                                                                                       |       |       |       |       |       |       |       |                                    |       |       |
|      | all other characteristics according to EN 13165                                                                                                         |                                                                                                                                                                                                                                           |  | NPD (No Performance Determined)                                                                                                |       |       |       |       |       |       |       |                                    |       |       |
|      | 10                                                                                                                                                      | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. |  |                                                                                                                                |       |       |       |       |       |       |       |                                    |       |       |



# Declaration of Performance

according to annex III, Regulation (EU) 305/2011  
(Construction Products Regulation)



| No.: 1222 - CPR - 2013-07-01 |                                                                                                                                                                                                                                           |  |  |                                                                                                                                |       |       |       |       |       |       |       |                                    |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|------------------------------------|
| 1                            | Unique identification code of the product-type                                                                                                                                                                                            |  |  | puren-PIR Alu (AG)                                                                                                             |       |       |       |       |       |       |       |                                    |
| 2                            | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)                                                                                               |  |  | see marking on boards                                                                                                          |       |       |       |       |       |       |       |                                    |
| 3                            | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer                                                                                   |  |  | Thermal insulation for buildings (ThiB)                                                                                        |       |       |       |       |       |       |       |                                    |
| 4                            | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)                                                                                                        |  |  | puren gmbh<br>Rengoldshauser Strasse 4, D-88662 Überlingen, Germany<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com |       |       |       |       |       |       |       |                                    |
| 5                            | Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)                                                                                                     |  |  | not relevant                                                                                                                   |       |       |       |       |       |       |       |                                    |
| 6                            | System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V                                                                                                            |  |  | AVCP 3                                                                                                                         |       |       |       |       |       |       |       |                                    |
| 7                            | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              |  |  | Notified testing laboratory (FIW München, 0751) performed the test reports on the declared characteristics under system AVCP 3 |       |       |       |       |       |       |       |                                    |
| 8                            | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              |  |  | not relevant                                                                                                                   |       |       |       |       |       |       |       |                                    |
| 9                            | Declared Performance                                                                                                                                                                                                                      |  |  |                                                                                                                                |       |       |       |       |       |       |       |                                    |
|                              | Essential characteristics                                                                                                                                                                                                                 |  |  | Performance                                                                                                                    |       |       |       |       |       |       |       | Harmonised technical specification |
|                              | Reaction to fire                                                                                                                                                                                                                          |  |  | RtF Class E                                                                                                                    |       |       |       |       |       |       |       | EN 13501-1                         |
|                              | Thickness / Thickness Tolerance                                                                                                                                                                                                           |  |  | 50 - 180 mm / T2                                                                                                               |       |       |       |       |       |       |       | EN 13165                           |
|                              | [mm]                                                                                                                                                                                                                                      |  |  | 50                                                                                                                             | 60    | 80    | 100   | 120   | 140   | 160   | 180   |                                    |
|                              | Thermal resistance R <sub>D</sub> [(m²·K)/W]                                                                                                                                                                                              |  |  | 2,150                                                                                                                          | 2,600 | 3,600 | 4,550 | 5,450 | 6,350 | 7,250 | 8,150 |                                    |
|                              | Thermal conductivity λ <sub>D</sub> [W/(m·K)]                                                                                                                                                                                             |  |  | 0,023                                                                                                                          |       | 0,022 |       |       |       |       |       |                                    |
|                              | Compressive strength                                                                                                                                                                                                                      |  |  | CS(10Y)120                                                                                                                     |       |       |       |       |       |       |       |                                    |
|                              | Tensile strength                                                                                                                                                                                                                          |  |  | TR 40                                                                                                                          |       |       |       |       |       |       |       |                                    |
|                              | Dimensional stability under specified temperature and humidity conditions                                                                                                                                                                 |  |  | DS(70,90)3<br>DS(-20,-)2                                                                                                       |       |       |       |       |       |       |       |                                    |
|                              | all other characteristics according to EN 13165                                                                                                                                                                                           |  |  | NPD (No Performance Determined)                                                                                                |       |       |       |       |       |       |       |                                    |
| 10                           | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. |  |  |                                                                                                                                |       |       |       |       |       |       |       |                                    |

Signed for and on behalf of the manufacturer by:

**puren gmbh**

Dr. Andreas Huther  
(Managing Director)

Überlingen, 07/01/2013



# Declaration of Performance

according to annex III, Regulation (EU) 305/2011  
(Construction Products Regulation)



|                                                 |                                                                                                                                                                                                                                           |  |                                 |                                                                                                                                |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--|-------|--|-------|--|------------------------------------|-------|--|-------|--|-------|--|-------|--|
| No.:                                            | 1223 - CPR - 2013-07-01                                                                                                                                                                                                                   |  |                                 |                                                                                                                                |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |
| 1                                               | Unique identification code of the product-type                                                                                                                                                                                            |  |                                 | puren-PIR Alu (NH)                                                                                                             |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |
| 2                                               | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)                                                                                               |  |                                 | see marking on boards                                                                                                          |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |
| 3                                               | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer                                                                                   |  |                                 | Thermal insulation for buildings (ThIB)                                                                                        |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |
| 4                                               | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)                                                                                                        |  |                                 | puren gmbh<br>Rengoldshauser Strasse 4, D-88662 Überlingen, Germany<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |
| 5                                               | Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)                                                                                                     |  |                                 | not relevant                                                                                                                   |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |
| 6                                               | System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V                                                                                                            |  |                                 | AVCP 3                                                                                                                         |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |
| 7                                               | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              |  |                                 | Notified testing laboratory (FIW München, 0751) performed the test reports on the declared characteristics under system AVCP 3 |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |
| 8                                               | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              |  |                                 | not relevant                                                                                                                   |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |
| 9                                               | Declared Performance                                                                                                                                                                                                                      |  |                                 |                                                                                                                                |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |
|                                                 | Essential characteristics                                                                                                                                                                                                                 |  |                                 | Performance                                                                                                                    |  |       |  |       |  | Harmonised technical specification |       |  |       |  |       |  |       |  |
|                                                 | Reaction to fire                                                                                                                                                                                                                          |  |                                 | RtF Class E                                                                                                                    |  |       |  |       |  | EN 13501-1                         |       |  |       |  |       |  |       |  |
|                                                 | Thickness / Thickness Tolerance                                                                                                                                                                                                           |  |                                 | 20 - 140 mm / T2                                                                                                               |  |       |  |       |  | EN 13165                           |       |  |       |  |       |  |       |  |
|                                                 | [mm]                                                                                                                                                                                                                                      |  |                                 | 20                                                                                                                             |  | 40    |  | 60    |  |                                    | 80    |  | 100   |  | 120   |  | 140   |  |
|                                                 | Thermal resistance $R_D$ [(m²·K)/W]                                                                                                                                                                                                       |  |                                 | 0,850                                                                                                                          |  | 1,700 |  | 2,600 |  |                                    | 3,600 |  | 4,550 |  | 5,450 |  | 6,350 |  |
|                                                 | Thermal conductivity $\lambda_D$ [W/(m·K)]                                                                                                                                                                                                |  |                                 | 0,023                                                                                                                          |  |       |  | 0,022 |  |                                    |       |  |       |  |       |  |       |  |
|                                                 | Compressive strength                                                                                                                                                                                                                      |  |                                 | CS(10Y)150                                                                                                                     |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |
|                                                 | Tensile strength                                                                                                                                                                                                                          |  |                                 | TR 40                                                                                                                          |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |
|                                                 | Dimensional stability under specified temperature and humidity conditions                                                                                                                                                                 |  |                                 | DS(70,90)3                                                                                                                     |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |
|                                                 |                                                                                                                                                                                                                                           |  | DS(-20,-)2                      |                                                                                                                                |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |
| all other characteristics according to EN 13165 |                                                                                                                                                                                                                                           |  | NPD (No Performance Determined) |                                                                                                                                |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |
| 10                                              | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. |  |                                 |                                                                                                                                |  |       |  |       |  |                                    |       |  |       |  |       |  |       |  |

Signed for and on behalf of the manufacturer by:

**puren gmbh**

Dr. Andreas Huther  
(Managing Director)

Überlingen, 07/01/2013



# Declaration of Performance

according to annex III, Regulation (EU) 305/2011  
(Construction Products Regulation)



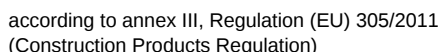
|      |                                                                                                                                                                                                                                           |                                              |                                                                                                                                |                                 |       |         |       |                                    |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------|---------|-------|------------------------------------|
| No.: | 1229 - CPR - 2013-07-01                                                                                                                                                                                                                   |                                              |                                                                                                                                |                                 |       |         |       |                                    |
| 1    | Unique identification code of the product-type                                                                                                                                                                                            |                                              | puren-PIR AV                                                                                                                   |                                 |       |         |       |                                    |
| 2    | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)                                                                                               |                                              | see marking on boards                                                                                                          |                                 |       |         |       |                                    |
| 3    | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer                                                                                   |                                              | Thermal insulation for buildings (ThIB)                                                                                        |                                 |       |         |       |                                    |
| 4    | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)                                                                                                        |                                              | puren gmbh<br>Rengoldshauser Strasse 4, D-88662 Überlingen, Germany<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com |                                 |       |         |       |                                    |
| 5    | Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)                                                                                                     |                                              | not relevant                                                                                                                   |                                 |       |         |       |                                    |
| 6    | System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V                                                                                                            |                                              | AVCP 3                                                                                                                         |                                 |       |         |       |                                    |
| 7    | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              |                                              | Notified testing laboratory (FIW München, 0751) performed the test reports on the declared characteristics under system AVCP 3 |                                 |       |         |       |                                    |
| 8    | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              |                                              | not relevant                                                                                                                   |                                 |       |         |       |                                    |
| 9    | Declared Performance                                                                                                                                                                                                                      |                                              |                                                                                                                                |                                 |       |         |       |                                    |
|      | Essential characteristics                                                                                                                                                                                                                 |                                              | Performance                                                                                                                    |                                 |       |         |       | Harmonised technical specification |
|      | Reaction to fire                                                                                                                                                                                                                          |                                              | RtF Class E                                                                                                                    |                                 |       |         |       | EN 13501-1                         |
|      | Thickness                                                                                                                                                                                                                                 | [mm]                                         | 25                                                                                                                             | 30                              | 40    | 50      | 60    | 80                                 |
|      | Thermal resistance                                                                                                                                                                                                                        | R <sub>D</sub> [(m²·K)/W]                    | 1,000                                                                                                                          | 1,200                           | 1,600 | 2,000   | 2,400 | 3,200                              |
|      | Thermal conductivity                                                                                                                                                                                                                      | λ <sub>D</sub> [W/(m·K)]                     | 0,025                                                                                                                          |                                 |       |         |       |                                    |
|      | Thickness Tolerance                                                                                                                                                                                                                       | [mm]                                         | T3 / ±1,5                                                                                                                      |                                 |       | T2 / ±3 |       | T2 / +5 -3                         |
|      | Compressive strength                                                                                                                                                                                                                      |                                              | CS(10Y)150                                                                                                                     |                                 |       |         |       |                                    |
|      | Tensile strength                                                                                                                                                                                                                          |                                              | NPD (No Performance Determined)                                                                                                |                                 |       |         |       |                                    |
|      | Dimensional stability under specified temperature and humidity conditions                                                                                                                                                                 |                                              | DS(70,90)4                                                                                                                     |                                 |       |         |       |                                    |
|      |                                                                                                                                                                                                                                           |                                              | DS(-20,-)2                                                                                                                     |                                 |       |         |       |                                    |
|      |                                                                                                                                                                                                                                           | all other characteristics according to 13165 | EN                                                                                                                             | NPD (No Performance Determined) |       |         |       |                                    |
| 10   | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. |                                              |                                                                                                                                |                                 |       |         |       |                                    |

Signed for and on behalf of the manufacturer by:

puren gmbh

Dr. Andreas Huther  
(Managing Director)

Überlingen, 07/01/2013



|      |                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |       |       |       |        |        |        |                                    |  |        |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------|-------|-------|--------|--------|--------|------------------------------------|--|--------|
| No.: | 2011 - CPR - 2013-07-01                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |       |       |       |        |        |        |                                    |  |        |
| 1    | Unique identification code of the product-type                                                                                                          | puren-PIR SE                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |       |       |       |        |        |        |                                    |  |        |
| 2    | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)             | see marking on boards                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |       |       |       |        |        |        |                                    |  |        |
| 3    | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer | Thermal insulation for buildings (ThIB)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |       |       |       |        |        |        |                                    |  |        |
| 4    | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)                      | puren gmbh<br>Rengoldshauser Strasse 4, D-88662 Überlingen, Germany<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com                                                                                                                                                                                                                                                                                                                                                   |                                 |       |       |       |        |        |        |                                    |  |        |
| 5    | Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)                   | not relevant                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |       |       |       |        |        |        |                                    |  |        |
| 6    | System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V                          | AVCP 1 (reaction to fire) and<br>AVCP 3 (all other characteristics)                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |       |       |       |        |        |        |                                    |  |        |
| 7    | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                            | Notified certification body (FIW München, 0751) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance for reaction to fire under system AVCP 1.<br>Notified testing laboratory (FIW München, 0751) performed the test reports on the other declared characteristics under system AVCP 3. |                                 |       |       |       |        |        |        |                                    |  |        |
| 8    | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                            | not relevant                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |       |       |       |        |        |        |                                    |  |        |
| 9    | Declared Performance                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |       |       |       |        |        |        |                                    |  |        |
|      | Essential characteristics                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Performance                     |       |       |       |        |        |        | Harmonised technical specification |  |        |
|      | Reaction to fire                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | RtF Class C-s3, d0              |       |       |       |        |        |        | EN 13501-1                         |  |        |
|      | Thickness / Thickness Tolerance                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20 - 320 mm / T2                |       |       |       |        |        |        | EN 13165                           |  |        |
|      |                                                                                                                                                         | [mm]                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 20                              | 40    | 60    | 80    | 100    | 120    | 140    |                                    |  | 160    |
|      | Thermal resistance                                                                                                                                      | R <sub>D</sub> [(m²·K)/W]                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0,700                           | 1,450 | 2,200 | 3,050 | 3,850  | 4,800  | 5,600  |                                    |  | 6,400  |
|      | Thermal conductivity                                                                                                                                    | λ <sub>D</sub> [W/(m·K)]                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0,027                           |       |       | 0,026 |        | 0,025  |        |                                    |  |        |
|      |                                                                                                                                                         | [mm]                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 180                             | 200   | 220   | 240   | 260    | 280    | 300    |                                    |  | 320    |
|      | Thermal resistance                                                                                                                                      | R <sub>D</sub> [(m²·K)/W]                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7,200                           | 8,000 | 8,800 | 9,600 | 10,400 | 11,200 | 12,000 |                                    |  | 12,800 |
|      | Thermal conductivity                                                                                                                                    | λ <sub>D</sub> [W/(m·K)]                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0,025                           |       |       |       |        |        |        |                                    |  |        |
|      | Compressive strength                                                                                                                                    | CS(10Y)150                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |       |       |       |        |        |        |                                    |  |        |
|      | Tensile strength                                                                                                                                        | TR100                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |       |       |       |        |        |        |                                    |  |        |
|      | Dimensional stability under specified temperature and humidity conditions                                                                               | DS(70,90)3<br>DS(-20,-)2                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |       |       |       |        |        |        |                                    |  |        |
|      | all other characteristics according to EN 13165                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NPD (No Performance Determined) |       |       |       |        |        |        |                                    |  |        |
|      | 10                                                                                                                                                      | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.                                                                                                                                                                                                                                        |                                 |       |       |       |        |        |        |                                    |  |        |

Signed for and on behalf of the manufacturer by:

puren gmbh

Dr. Andreas Huther  
(Managing Director)

Überlingen, 07/01/2013



# Declaration of Performance

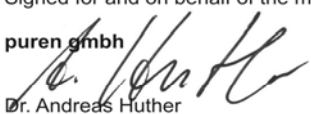
according to annex III, Regulation (EU) 305/2011  
(Construction Products Regulation)



|      |                                                                                                                                                         |                                                                                                                                                                                                                                           |                                                                                                                                |       |       |       |        |        |        |                                    |        |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|------------------------------------|--------|
| No.: | 2021 - CPR - 2013-07-01                                                                                                                                 |                                                                                                                                                                                                                                           |                                                                                                                                |       |       |       |        |        |        |                                    |        |
| 1    | Unique identification code of the product-type                                                                                                          |                                                                                                                                                                                                                                           | puren-PIR NE                                                                                                                   |       |       |       |        |        |        |                                    |        |
| 2    | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)             |                                                                                                                                                                                                                                           | see marking on boards                                                                                                          |       |       |       |        |        |        |                                    |        |
| 3    | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer |                                                                                                                                                                                                                                           | Thermal insulation for buildings (ThiB)                                                                                        |       |       |       |        |        |        |                                    |        |
| 4    | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)                      |                                                                                                                                                                                                                                           | puren gmbh<br>Rengoldshauser Strasse 4, D-88662 Überlingen, Germany<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com |       |       |       |        |        |        |                                    |        |
| 5    | Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)                   |                                                                                                                                                                                                                                           | not relevant                                                                                                                   |       |       |       |        |        |        |                                    |        |
| 6    | System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V                          |                                                                                                                                                                                                                                           | AVCP 3                                                                                                                         |       |       |       |        |        |        |                                    |        |
| 7    | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                            |                                                                                                                                                                                                                                           | Notified testing laboratory (FIW München, 0751) performed the test reports on the declared characteristics under system AVCP 3 |       |       |       |        |        |        |                                    |        |
| 8    | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                            |                                                                                                                                                                                                                                           | not relevant                                                                                                                   |       |       |       |        |        |        |                                    |        |
| 9    | Declared Performance                                                                                                                                    |                                                                                                                                                                                                                                           |                                                                                                                                |       |       |       |        |        |        |                                    |        |
|      | Essential characteristics                                                                                                                               |                                                                                                                                                                                                                                           | Performance                                                                                                                    |       |       |       |        |        |        | Harmonised technical specification |        |
|      | Reaction to fire                                                                                                                                        |                                                                                                                                                                                                                                           | RtF Class E                                                                                                                    |       |       |       |        |        |        | EN 13501-1                         |        |
|      | Thickness / Thickness Tolerance                                                                                                                         |                                                                                                                                                                                                                                           | 20 - 320 mm / T2                                                                                                               |       |       |       |        |        |        | EN 13165                           |        |
|      | [mm]                                                                                                                                                    |                                                                                                                                                                                                                                           | 20                                                                                                                             | 40    | 60    | 80    | 100    | 120    | 140    |                                    | 160    |
|      | Thermal resistance $R_D$ [(m²·K)/W]                                                                                                                     |                                                                                                                                                                                                                                           | 0,700                                                                                                                          | 1,450 | 2,200 | 3,050 | 3,850  | 4,800  | 5,600  |                                    | 6,400  |
|      | Thermal conductivity $\lambda_D$ [W/(m·K)]                                                                                                              |                                                                                                                                                                                                                                           | 0,027                                                                                                                          |       |       | 0,026 |        | 0,025  |        |                                    |        |
|      | [mm]                                                                                                                                                    |                                                                                                                                                                                                                                           | 180                                                                                                                            | 200   | 220   | 240   | 260    | 280    | 300    |                                    | 320    |
|      | Thermal resistance $R_D$ [(m²·K)/W]                                                                                                                     |                                                                                                                                                                                                                                           | 7,200                                                                                                                          | 8,000 | 8,800 | 9,600 | 10,400 | 11,200 | 12,000 |                                    | 12,800 |
|      | Thermal conductivity $\lambda_D$ [W/(m·K)]                                                                                                              |                                                                                                                                                                                                                                           | 0,025                                                                                                                          |       |       |       |        |        |        |                                    |        |
|      | Compressive strength                                                                                                                                    |                                                                                                                                                                                                                                           | CS(10Y)150                                                                                                                     |       |       |       |        |        |        |                                    |        |
|      | Tensile strength                                                                                                                                        |                                                                                                                                                                                                                                           | TR100                                                                                                                          |       |       |       |        |        |        |                                    |        |
|      | Dimensional stability under specified temperature and humidity conditions                                                                               |                                                                                                                                                                                                                                           | DS(70,90)3<br>DS(-20,-)2                                                                                                       |       |       |       |        |        |        |                                    |        |
|      | all other characteristics according to EN 13165                                                                                                         |                                                                                                                                                                                                                                           | NPD (No Performance Determined)                                                                                                |       |       |       |        |        |        |                                    |        |
|      | 10                                                                                                                                                      | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. |                                                                                                                                |       |       |       |        |        |        |                                    |        |

Signed for and on behalf of the manufacturer by:

**puren gmbh**

  
Dr. Andreas Huther  
(Managing Director)

Überlingen, 07/01/2013



# Declaration of Performance

according to annex III, Regulation (EU) 305/2011  
(Construction Products Regulation)



|      |                                                                                                                                                         |                                                                                                                                                                                                                                           |                                                                                                                                |       |       |       |        |        |        |                                    |        |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|------------------------------------|--------|
| No.: | 2031 - CPR - 2013-07-01                                                                                                                                 |                                                                                                                                                                                                                                           |                                                                                                                                |       |       |       |        |        |        |                                    |        |
| 1    | Unique identification code of the product-type                                                                                                          |                                                                                                                                                                                                                                           | purenotherm ® WDVS (puren-PIR NE)                                                                                              |       |       |       |        |        |        |                                    |        |
| 2    | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)             |                                                                                                                                                                                                                                           | see marking on boards                                                                                                          |       |       |       |        |        |        |                                    |        |
| 3    | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer |                                                                                                                                                                                                                                           | Thermal insulation for buildings (ThIB)                                                                                        |       |       |       |        |        |        |                                    |        |
| 4    | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)                      |                                                                                                                                                                                                                                           | puren gmbh<br>Rengoldshauser Strasse 4, D-88662 Überlingen, Germany<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com |       |       |       |        |        |        |                                    |        |
| 5    | Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)                   |                                                                                                                                                                                                                                           | not relevant                                                                                                                   |       |       |       |        |        |        |                                    |        |
| 6    | System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V                          |                                                                                                                                                                                                                                           | AVCP 3                                                                                                                         |       |       |       |        |        |        |                                    |        |
| 7    | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                            |                                                                                                                                                                                                                                           | Notified testing laboratory (FIW München, 0751) performed the test reports on the declared characteristics under system AVCP 3 |       |       |       |        |        |        |                                    |        |
| 8    | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                            |                                                                                                                                                                                                                                           | not relevant                                                                                                                   |       |       |       |        |        |        |                                    |        |
| 9    | Declared Performance                                                                                                                                    |                                                                                                                                                                                                                                           |                                                                                                                                |       |       |       |        |        |        |                                    |        |
|      | Essential characteristics                                                                                                                               |                                                                                                                                                                                                                                           | Performance                                                                                                                    |       |       |       |        |        |        | Harmonised technical specification |        |
|      | Reaction to fire                                                                                                                                        |                                                                                                                                                                                                                                           | RtF Class E                                                                                                                    |       |       |       |        |        |        | EN 13501-1                         |        |
|      | Thickness / Thickness Tolerance                                                                                                                         |                                                                                                                                                                                                                                           | 20 - 320 mm / T2                                                                                                               |       |       |       |        |        |        | EN 13165                           |        |
|      | [mm]                                                                                                                                                    |                                                                                                                                                                                                                                           | 20                                                                                                                             | 40    | 60    | 80    | 100    | 120    | 140    |                                    | 160    |
|      | Thermal resistance R <sub>D</sub> [(m²·K)/W]                                                                                                            |                                                                                                                                                                                                                                           | 0,700                                                                                                                          | 1,450 | 2,200 | 3,050 | 3,850  | 4,800  | 5,600  |                                    | 6,400  |
|      | Thermal conductivity λ <sub>D</sub> [W/(m·K)]                                                                                                           |                                                                                                                                                                                                                                           | 0,027                                                                                                                          |       |       | 0,026 |        | 0,025  |        |                                    |        |
|      | [mm]                                                                                                                                                    |                                                                                                                                                                                                                                           | 180                                                                                                                            | 200   | 220   | 240   | 260    | 280    | 300    |                                    | 320    |
|      | Thermal resistance R <sub>D</sub> [(m²·K)/W]                                                                                                            |                                                                                                                                                                                                                                           | 7,200                                                                                                                          | 8,000 | 8,800 | 9,600 | 10,400 | 11,200 | 12,000 |                                    | 12,800 |
|      | Thermal conductivity λ <sub>D</sub> [W/(m·K)]                                                                                                           |                                                                                                                                                                                                                                           | 0,025                                                                                                                          |       |       |       |        |        |        |                                    |        |
|      | Compressive strength                                                                                                                                    |                                                                                                                                                                                                                                           | CS(10Y)120                                                                                                                     |       |       |       |        |        |        |                                    |        |
|      | Tensile strength                                                                                                                                        |                                                                                                                                                                                                                                           | TR100                                                                                                                          |       |       |       |        |        |        |                                    |        |
|      | Dimensional stability under specified temperature and humidity conditions                                                                               |                                                                                                                                                                                                                                           | DS(70,90)3<br>DS(-20,-)2                                                                                                       |       |       |       |        |        |        |                                    |        |
|      | all other characteristics according to EN 13165                                                                                                         |                                                                                                                                                                                                                                           | NPD (No Performance Determined)                                                                                                |       |       |       |        |        |        |                                    |        |
|      | 10                                                                                                                                                      | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. |                                                                                                                                |       |       |       |        |        |        |                                    |        |

Signed for and on behalf of the manufacturer by:

**puren gmbh**

Dr. Andreas Huther  
(Managing Director)

Überlingen, 07/01/2013



# Declaration of Performance

according to annex III, Regulation (EU) 305/2011  
(Construction Products Regulation)



|      |                                                                                                                                                                                                                                           |                                                                                                                                |                                    |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| No.: | 4094 - CPR - 2013-07-01                                                                                                                                                                                                                   |                                                                                                                                |                                    |
| 1    | Unique identification code of the product-type                                                                                                                                                                                            | purenit 550MD                                                                                                                  |                                    |
| 2    | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)                                                                                               | see marking on boards                                                                                                          |                                    |
| 3    | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer                                                                                   | Thermal insulation for buildings (ThIB)                                                                                        |                                    |
| 4    | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)                                                                                                        | puren gmbh<br>Rengoldshauser Strasse 4, D-88662 Überlingen, Germany<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com |                                    |
| 5    | Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)                                                                                                     | not relevant                                                                                                                   |                                    |
| 6    | System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V                                                                                                            | AVCP 3                                                                                                                         |                                    |
| 7    | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              | Notified testing laboratory (FIW München, 0751) performed the test reports on the declared characteristics under system AVCP 3 |                                    |
| 8    | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              | not relevant                                                                                                                   |                                    |
| 9    | Declared Performance                                                                                                                                                                                                                      |                                                                                                                                |                                    |
|      | Essential characteristics                                                                                                                                                                                                                 | Performance                                                                                                                    | Harmonised technical specification |
|      | Reaction to fire                                                                                                                                                                                                                          | RtF Class E                                                                                                                    | EN 13501-1                         |
| 10   | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. |                                                                                                                                |                                    |

Signed for and on behalf of the manufacturer by:

**puren gmbh**

*Dr. Andreas Huther*  
**Dr. Andreas Huther**  
(Managing Director)

Überlingen, 07/01/2013



# Declaration of Performance

according to annex III, Regulation (EU) 305/2011  
(Construction Products Regulation)



| No.: 9719 - CPR - 2013-07-01 |                                                                                                                                                                                                                                           |                                                                                                                                |                                    |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 1                            | Unique identification code of the product-type                                                                                                                                                                                            | puren-DuoTwin                                                                                                                  |                                    |
| 2                            | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)                                                                                               | see product label                                                                                                              |                                    |
| 3                            | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer                                                                                   | Use in timber constructions                                                                                                    |                                    |
| 4                            | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)                                                                                                        | puren gmbh<br>Rengoldshauser Strasse 4, D-88662 Überlingen, Germany<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com |                                    |
| 5                            | Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)                                                                                                     | not relevant                                                                                                                   |                                    |
| 6                            | System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V                                                                                                            | AVCP 2+                                                                                                                        |                                    |
| 7                            | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              | not relevant                                                                                                                   |                                    |
| 8                            | In case of the declaration of performance concerning a construction product covered by a harmonised standard:                                                                                                                             |                                                                                                                                |                                    |
|                              | name and identification number of the Technical Assessment Body:                                                                                                                                                                          | Deutsches Institut für Bautechnik                                                                                              |                                    |
|                              | harmonised technical specification:                                                                                                                                                                                                       | CUAP 06.03/08                                                                                                                  |                                    |
|                              | European Technical Assessment / approval:                                                                                                                                                                                                 | ETA-12/0038                                                                                                                    |                                    |
|                              | body, system for the assessment / verification of the constancy of performance:                                                                                                                                                           | Materialprüfungsanstalt Universität Stuttgart, 1080, AVCP 2+                                                                   |                                    |
|                              | certificate of conformity of the factory production:                                                                                                                                                                                      | 0672-CPD-141220                                                                                                                |                                    |
|                              |                                                                                                                                                                                                                                           |                                                                                                                                |                                    |
| 9                            | Declared Performance                                                                                                                                                                                                                      |                                                                                                                                |                                    |
|                              | Essential characteristics                                                                                                                                                                                                                 | Performance                                                                                                                    | Harmonised technical specification |
|                              | see ETA                                                                                                                                                                                                                                   | see ETA                                                                                                                        | see ETA                            |
| 10                           | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. |                                                                                                                                |                                    |

Signed for and on behalf of the manufacturer by:

**puren gmbh**

Dr. Andreas Huther  
(Managing Director)

Überlingen, 07/01/2013



# Declaration of Performance

according to annex III, Regulation (EU) 305/2011  
(Construction Products Regulation)



| No.: 9729 - CPR - 2013-07-01 |                                                                                                                                                                                                                                           |                                                                                                                                |                                    |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 1                            | Unique identification code of the product-type                                                                                                                                                                                            | puren-DaBau                                                                                                                    |                                    |
| 2                            | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)                                                                                               | see product label                                                                                                              |                                    |
| 3                            | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer                                                                                   | Use in timber constructions                                                                                                    |                                    |
| 4                            | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)                                                                                                        | puren gmbh<br>Rengoldshauser Strasse 4, D-88662 Überlingen, Germany<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com |                                    |
| 5                            | Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)                                                                                                     | not relevant                                                                                                                   |                                    |
| 6                            | System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V                                                                                                            | AVCP 2+                                                                                                                        |                                    |
| 7                            | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              | not relevant                                                                                                                   |                                    |
| 8                            | In case of the declaration of performance concerning a construction product covered by a harmonised standard:                                                                                                                             |                                                                                                                                |                                    |
|                              | name and identification number of the Technical Assessment Body:                                                                                                                                                                          | ETA Danmark A/S                                                                                                                |                                    |
|                              | harmonised technical specification:                                                                                                                                                                                                       | CUAP 06.03/08                                                                                                                  |                                    |
|                              | European Technical Assessment / approval:                                                                                                                                                                                                 | ETA-12/0087                                                                                                                    |                                    |
|                              | body, system for the assessment / verification of the constancy of performance:                                                                                                                                                           | HFB Engineering GmbH,<br>System 2+                                                                                             |                                    |
|                              | certificate of conformity of the factory production:                                                                                                                                                                                      | 1034-CPD-2070                                                                                                                  |                                    |
| 9                            | Declared Performance                                                                                                                                                                                                                      |                                                                                                                                |                                    |
|                              | Essential characteristics                                                                                                                                                                                                                 | Performance                                                                                                                    | Harmonised technical specification |
|                              | see ETA                                                                                                                                                                                                                                   | see ETA                                                                                                                        | see ETA                            |
| 10                           | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. |                                                                                                                                |                                    |

Signed for and on behalf of the manufacturer by:

**puren gmbh**

Dr. Andreas Huther  
(Managing Director)

Überlingen, 07/01/2013



# Declaration of Performance

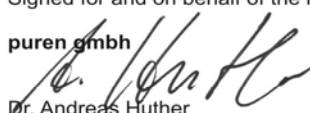
according to annex III, Regulation (EU) 305/2011  
(Construction Products Regulation)



|                                                 |                                                                                                                                                                                                                                           |                                                                                                                                                                                         |                 |                     |                                    |          |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|------------------------------------|----------|
| No.:                                            | 9819 - CPR - 2013-07-01                                                                                                                                                                                                                   |                                                                                                                                                                                         |                 |                     |                                    |          |
| 1                                               | Unique identification code of the product-type                                                                                                                                                                                            | puren-DB 100                                                                                                                                                                            |                 |                     |                                    |          |
| 2                                               | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)                                                                                               | see product label                                                                                                                                                                       |                 |                     |                                    |          |
| 3                                               | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer                                                                                   | Plastic and Elastomer Vapour Barriers                                                                                                                                                   |                 |                     |                                    |          |
| 4                                               | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)                                                                                                        | puren gmbh<br>Rengoldshauser Strasse 4, D-88662 Überlingen, Germany<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com                                                          |                 |                     |                                    |          |
| 5                                               | Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)                                                                                                     | not relevant                                                                                                                                                                            |                 |                     |                                    |          |
| 6                                               | System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V                                                                                                            | AVCP 3                                                                                                                                                                                  |                 |                     |                                    |          |
| 7                                               | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              | Notified testing laboratory MPA Dresden (0767) performed the test reports on reaction to fire.<br>KIWA TBU Greven performed the test report on watertightness and diffusion resistance. |                 |                     |                                    |          |
| 8                                               | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              | not relevant                                                                                                                                                                            |                 |                     |                                    |          |
| 9                                               | Declared Performance                                                                                                                                                                                                                      |                                                                                                                                                                                         |                 |                     |                                    |          |
|                                                 | Essential characteristics                                                                                                                                                                                                                 |                                                                                                                                                                                         | Performance     |                     | Harmonised technical specification |          |
|                                                 |                                                                                                                                                                                                                                           |                                                                                                                                                                                         | specified value | Tolerance<br>minmax |                                    |          |
|                                                 | Reaction to fire                                                                                                                                                                                                                          |                                                                                                                                                                                         | RtF Class E     |                     | EN 13501-1                         |          |
|                                                 | Length                                                                                                                                                                                                                                    | [m]                                                                                                                                                                                     | 50              | 0%                  | -                                  | EN 13984 |
|                                                 | Width                                                                                                                                                                                                                                     | [cm]                                                                                                                                                                                    | 150             | -0,5%               | 1,5%                               |          |
|                                                 | Rectitude                                                                                                                                                                                                                                 | [mm/10m]                                                                                                                                                                                | < 75            |                     |                                    |          |
|                                                 | Watertightness                                                                                                                                                                                                                            |                                                                                                                                                                                         | passed at 2 Pa  |                     |                                    |          |
|                                                 | Grammage                                                                                                                                                                                                                                  | [g/m²]                                                                                                                                                                                  | 165             | -10%                | +10%                               |          |
|                                                 | Water vapour permeability                                                                                                                                                                                                                 | [m]                                                                                                                                                                                     | ≥ 100           |                     |                                    |          |
|                                                 | Durability of the water vapour resistance against artificial aging                                                                                                                                                                        |                                                                                                                                                                                         | passed          |                     |                                    |          |
|                                                 | max. Tensile force longitudinal / cross                                                                                                                                                                                                   | [N/5cm]                                                                                                                                                                                 | 530 / 400       |                     |                                    |          |
|                                                 | Elongation at max. tensile force longitudinal / cross                                                                                                                                                                                     | [%]                                                                                                                                                                                     | 18 / 15         |                     |                                    |          |
|                                                 | Tear growth resistance (nail shaft) longitudinal / cross                                                                                                                                                                                  | [N]                                                                                                                                                                                     | 350             |                     |                                    |          |
|                                                 | Shear resistance of the joint                                                                                                                                                                                                             | [N]                                                                                                                                                                                     | 25              |                     |                                    |          |
|                                                 | Visible defects                                                                                                                                                                                                                           |                                                                                                                                                                                         | no              |                     |                                    |          |
|                                                 | Airtightness                                                                                                                                                                                                                              |                                                                                                                                                                                         | passed          |                     |                                    |          |
| all other characteristics according to EN 13984 |                                                                                                                                                                                                                                           | NPD (No Performance Determined)                                                                                                                                                         |                 |                     |                                    |          |
| 10                                              | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. |                                                                                                                                                                                         |                 |                     |                                    |          |

Signed for and on behalf of the manufacturer by:

**puren gmbh**

  
Dr. Andreas Huther  
(Managing Director)

Überlingen, 07/01/2013



# Declaration of Performance

according to annex III, Regulation (EU) 305/2011  
(Construction Products Regulation)



|                                                 |                                                                                                                                                                                                                                           |                                                                                                                                                                                         |                 |                   |                                    |          |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------|------------------------------------|----------|
| No.:                                            | 9829 - CPR - 2013-07-01                                                                                                                                                                                                                   |                                                                                                                                                                                         |                 |                   |                                    |          |
| 1                                               | Unique identification code of the product-type                                                                                                                                                                                            | puren-DB blau                                                                                                                                                                           |                 |                   |                                    |          |
| 2                                               | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)                                                                                               | see product label                                                                                                                                                                       |                 |                   |                                    |          |
| 3                                               | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer                                                                                   | Plastic and Elastomer Vapour Barriers                                                                                                                                                   |                 |                   |                                    |          |
| 4                                               | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)                                                                                                        | puren gmbh<br>Rengoldshauser Strasse 4, D-88662 Überlingen, Germany<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com                                                          |                 |                   |                                    |          |
| 5                                               | Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)                                                                                                     | not relevant                                                                                                                                                                            |                 |                   |                                    |          |
| 6                                               | System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V                                                                                                            | AVCP 3                                                                                                                                                                                  |                 |                   |                                    |          |
| 7                                               | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              | Notified testing laboratory MPA Dresden (0767) performed the test reports on reaction to fire.<br>KIWA TBU Greven performed the test report on watertightness and diffusion resistance. |                 |                   |                                    |          |
| 8                                               | In case of the declaration of performance concerning a construction product covered by a harmonised standard                                                                                                                              | not relevant                                                                                                                                                                            |                 |                   |                                    |          |
| 9                                               | Declared Performance                                                                                                                                                                                                                      |                                                                                                                                                                                         |                 |                   |                                    |          |
|                                                 | Essential characteristics                                                                                                                                                                                                                 |                                                                                                                                                                                         | Performance     |                   | Harmonised technical specification |          |
|                                                 |                                                                                                                                                                                                                                           |                                                                                                                                                                                         | specified value | Tolerance min max |                                    |          |
|                                                 | Reaction to fire                                                                                                                                                                                                                          |                                                                                                                                                                                         | RtF Class E     |                   | EN 13501-1                         |          |
|                                                 | Length                                                                                                                                                                                                                                    | [m]                                                                                                                                                                                     | 50              | 0%                | -                                  | EN 13984 |
|                                                 | Width                                                                                                                                                                                                                                     | [cm]                                                                                                                                                                                    | 150             | -0,5%             | 1,5%                               |          |
|                                                 | Rectitude                                                                                                                                                                                                                                 | [mm/10m]                                                                                                                                                                                | < 75            |                   |                                    |          |
|                                                 | Watertightness                                                                                                                                                                                                                            |                                                                                                                                                                                         | passed at 2 Pa  |                   |                                    |          |
|                                                 | Grammage                                                                                                                                                                                                                                  | [g/m²]                                                                                                                                                                                  | 165             | -10%              | +10%                               |          |
|                                                 | Water vapour permeability                                                                                                                                                                                                                 | [m]                                                                                                                                                                                     | ≥ 3             |                   |                                    |          |
|                                                 | Durability of the water vapour resistance against artificial aging                                                                                                                                                                        |                                                                                                                                                                                         | passed          |                   |                                    |          |
|                                                 | max. Tensile force longitudinal / cross                                                                                                                                                                                                   | [N/5cm]                                                                                                                                                                                 | 400             |                   |                                    |          |
|                                                 | Elongation at max. tensile force longitudinal / cross                                                                                                                                                                                     | [%]                                                                                                                                                                                     | 15 / 20         |                   |                                    |          |
|                                                 | Tear growth resistance (nail shaft) longitudinal / cross                                                                                                                                                                                  | [N]                                                                                                                                                                                     | 350 / 400       |                   |                                    |          |
|                                                 | Visible defects                                                                                                                                                                                                                           |                                                                                                                                                                                         | no              |                   |                                    |          |
|                                                 | Airtightness                                                                                                                                                                                                                              |                                                                                                                                                                                         | passed          |                   |                                    |          |
| all other characteristics according to EN 13984 |                                                                                                                                                                                                                                           | NPD (No Performance Determined)                                                                                                                                                         |                 |                   |                                    |          |
| 10                                              | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. |                                                                                                                                                                                         |                 |                   |                                    |          |

Signed for and on behalf of the manufacturer by:

**puren gmbh**

Dr. Andreas Huther  
(Managing Director)

Überlingen, 07/01/2013



# Déclaration des Performances

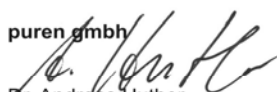
Annexe III du Règlement (EU) 305/2011  
(Règlement Produits de Construction)



| Nr.: 1122 - CPR - 2013-07-01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                       |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------|------------------------------------|-----------------|-------------|------------|-----------------------------------|------------------|----------|------|---------------------------------------------------|------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------------|-------------|--------------------------------------------------------|-------|--------------------------------------------------------------------------------------|--------------------------|----------|-------------------------------------------------|----------------------------------|
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Code d'identification unique du produit type<br><b>puren-PIR MV (AG)</b>                                                                                                                                                                                                                                                              |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Identification du produit de construction, conformément à l'article 11 § 4 du Règlement (UE) N° 305/2011<br><b>voir marquage sur les panneaux</b>                                                                                                                                                                                     |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Usage (ou usages) prévus du produit de construction<br><b>Isolant thermique du bâtiment (ThIB)</b>                                                                                                                                                                                                                                    |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Nom, raison sociale ou marque déposée et adresse de contact du fabricant, conformément à l'article 11 § 5 du Règlement (UE) N° 305/2011<br><b>puren gmbh</b><br>Rengoldshauser Strasse 4, D-88662 Überlingen, Allemagne<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com                                                    |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Nom et adresse de contact du mandataire dont le mandat couvre les tâches visées à l'article 12 § 2 du Règlement (UE) N° 305/2011<br><b>non applicable</b>                                                                                                                                                                             |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Système(s) d'évaluation et de vérification de la constance des performances du produit de construction, conformément à l'annexe V du Règlement (UE) N° 305/2011<br><b>AVCP 3</b>                                                                                                                                                      |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cas de la déclaration des performances concernant un produit de construction couvert par une norme harmonisée<br><b>l'Organisme Notifié (FIW München, n°0751)</b><br><b>- a réalisé la détermination du produit type sur la base d'essais de type, selon le système 3</b><br><b>- a délivré les rapports d'essais correspondants.</b> |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cas de la déclaration des performances concernant un produit de construction couvert par une évaluation technique européenne<br><b>non applicable</b>                                                                                                                                                                                 |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| <b>Performances déclarées</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                       |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| <table><tr><th>Caractéristiques essentielles</th><th>Performances</th><th>Spécification Technique Harmonisée</th></tr><tr><td>Réaction au feu</td><td>RtF Class E</td><td>EN 13501-1</td></tr><tr><td>Epaisseur / tolérance d'épaisseur</td><td>50 - 180 mm / T2</td><td rowspan="6">EN 13165</td></tr><tr><td>[mm]</td><td>50    60    80    100    120    140    160    180</td></tr><tr><td>Résistance thermique R<sub>D</sub> [(m².K)/W]</td><td>1,750   2,100   3,050   3,850   4,800   5,600   6,400   7,200</td></tr><tr><td>Conductivité thermique λ<sub>D</sub> [W/(m.K)]</td><td>0,028                      0,026                      0,025</td></tr><tr><td>Contrainte en compression</td><td>CS(10\Y)120</td></tr><tr><td>Résistance à la traction perpendiculairement aux faces</td><td>TR 40</td></tr><tr><td>Stabilité dimensionnelle dans des conditions de température et d'humidité spécifiées</td><td>DS(70,90)3<br/>DS(-20,-)2</td><td rowspan="2">EN 13165</td></tr><tr><td>toutes autres caractéristiques suivant EN 13165</td><td>NPD (aucune performance déclaré)</td></tr></table> |                                                                                                                                                                                                                                                                                                                                       | Caractéristiques essentielles      | Performances | Spécification Technique Harmonisée | Réaction au feu | RtF Class E | EN 13501-1 | Epaisseur / tolérance d'épaisseur | 50 - 180 mm / T2 | EN 13165 | [mm] | 50    60    80    100    120    140    160    180 | Résistance thermique R <sub>D</sub> [(m².K)/W] | 1,750   2,100   3,050   3,850   4,800   5,600   6,400   7,200 | Conductivité thermique λ <sub>D</sub> [W/(m.K)] | 0,028                      0,026                      0,025 | Contrainte en compression | CS(10\Y)120 | Résistance à la traction perpendiculairement aux faces | TR 40 | Stabilité dimensionnelle dans des conditions de température et d'humidité spécifiées | DS(70,90)3<br>DS(-20,-)2 | EN 13165 | toutes autres caractéristiques suivant EN 13165 | NPD (aucune performance déclaré) |
| Caractéristiques essentielles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Performances                                                                                                                                                                                                                                                                                                                          | Spécification Technique Harmonisée |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| Réaction au feu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RtF Class E                                                                                                                                                                                                                                                                                                                           | EN 13501-1                         |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| Epaisseur / tolérance d'épaisseur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 50 - 180 mm / T2                                                                                                                                                                                                                                                                                                                      | EN 13165                           |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| [mm]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 50    60    80    100    120    140    160    180                                                                                                                                                                                                                                                                                     |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| Résistance thermique R <sub>D</sub> [(m².K)/W]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1,750   2,100   3,050   3,850   4,800   5,600   6,400   7,200                                                                                                                                                                                                                                                                         |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| Conductivité thermique λ <sub>D</sub> [W/(m.K)]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0,028                      0,026                      0,025                                                                                                                                                                                                                                                                           |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| Contrainte en compression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CS(10\Y)120                                                                                                                                                                                                                                                                                                                           |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| Résistance à la traction perpendiculairement aux faces                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TR 40                                                                                                                                                                                                                                                                                                                                 |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| Stabilité dimensionnelle dans des conditions de température et d'humidité spécifiées                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DS(70,90)3<br>DS(-20,-)2                                                                                                                                                                                                                                                                                                              | EN 13165                           |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| toutes autres caractéristiques suivant EN 13165                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NPD (aucune performance déclaré)                                                                                                                                                                                                                                                                                                      |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Les performances du produit identifié aux points 1 et 2 sont conformes aux performances déclarées indiquées au point 9.<br>La présente déclaration des performances est établie sous la seule responsabilité du fabricant identifié au point 4                                                                                        |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                                |                                                               |                                                 |                                                             |                           |             |                                                        |       |                                                                                      |                          |          |                                                 |                                  |

Signé pour le fabricant et son nom par :

**puren gmbh**

  
Dr. Andreas Huther  
(Directeur Général)

Überlingen, le 1er juillet 2013



# Déclaration des Performances

Annexe III du Règlement (EU) 305/2011  
(Règlement Produits de Construction)



| Nr.: 1222 - CPR - 2013-07-01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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305/2011<br><b>voir marquage sur les panneaux</b>                                                                                                                                                                                     |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                       |                                                               |                                              |       |
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Règlement (UE) N° 305/2011<br><b>puren gmbh</b><br>Rengoldshauser Strasse 4, D-88662 Überlingen, Allemagne<br>Tel. +49 7551 8099-0 Fax +49 7551 8099-20 www.puren.com                                                    |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                       |                                                               |                                              |       |
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Règlement (UE) N° 305/2011<br><b>non applicable</b>                                                                                                                                                                             |                                    |              |                                    |                 |             |            |                                   |                  |          |      |                                                   |                                       |                                                               |                                              |       |
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| <table><tr><th>Caractéristiques essentielles</th><th>Performances</th><th>Spécification Technique Harmonisée</th></tr><tr><td>Réaction au feu</td><td>RtF Class E</td><td>EN 13501-1</td></tr><tr><td>Epaisseur / tolérance d'épaisseur</td><td>50 - 180 mm / T2</td><td rowspan="8">EN 13165</td></tr><tr><td>[mm]</td><td>50    60    80    100    120    140    160    180</td></tr><tr><td>Résistance thermique    <math>R_D</math> [(m².K)/W]</td><td>2,150   2,600   3,600   4,550   5,450   6,350   7,250   8,150</td></tr><tr><td>Conductivité thermique    <math>\lambda_D</math> [W/(m.K)]</td><td>0,023 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Signé pour le fabricant et son nom par :

puren gmbh

Dr. Andreas Huther  
(Directeur Général)

Überlingen, le 1er juillet 2013



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