

m/s Godfrey Hirst Australia Pty Ltd **POBOX93** South Geelong VIC 3220 Attn: MS Mandy Chandley **TEST REPORT No. 169806**

LABORATORY REF: P169806

CUSTOMER REFERENCE **DESIGNER JET CUT PILE CARPET**

Sample description as provided by customer Mass/unit area 17 oz/yd² Construction Details Tufted Secondary Backing Synthetic Style Cut Pile

Order No. APL 3I Pile Fibre Content 100% NYLON Colour Charcoal /Grey Pile Height 4.5 mm

TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by specification C1.10 of the Building Code of Australia.

The test values relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date Mar 2016

Test Date 14 Apr 2016

ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) 7 mm CLOUDWALK.

The underlay used was 7 mm CLOUDWALK it was adhered to the substrate using ROBERTS 656 adhesive. The floor covering was adhered to the underlay using ROBERTS 95 adhesive.

Substrate: Non-Combustible

Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring. The Holding Torque on Specimen Frame was 2Nm.

| Initial Test | Specimen 1 Length Direction | n Critical Radiant Flux | 1.5 kW/m ² |
|--------------|-------------------------------|-------------------------|-----------------------|
| | Specimen 1 Width Direction | Critical Radiant Flux | 1.4 kW/m ² |
| | Full tests carried out in the | Width Direction | |

| SPECIMEN | Width #1 | Width #2 | Width #3 | Mean |
|-----------------------------------|----------|----------|----------|------|
| Critical Radiant Flux (kW/m²) | 1.4 | 1.6 | 1.6 | 1.5 |
| Smoke Development Rate (%.min) | 351 | 211 | 309 | 290 |

The values guoted below are as required by Specification C1.10 Fire Hazard Properties (Floors) of the Building Code of Australia. The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).

MEAN CRITICAL RADIANT FLUX 1.5 kW/m²

MEAN SMOKE DEVELOPMENT RATE 290 percent-minutes

OBSERVATIONS: The samples shrunk away from the heat source, ignited and burnt.



M. B. Webb Technical Manager



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Clause 9 of AS/ISO 9239 Part 1

The values on Page 2 have no relevance to the Code.

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TEST REPORT No. 169806THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THEPAGE 2 of 2LABORATORY REF: P169806REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER Clause 9 of AS/ISO 9239 Part 1PAGE 2 of 2

TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS

| Specimen | 50 | 60 | 110 | 160 | 210 | 260 | 310 | 360 | 410 | 460 | 510 | 560 | 610 | 660 | 710 | 760 | 810 | 860 |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|-----|-----|
| 1 | 193 | 195 | 204 | 226 | 249 | 283 | 351 | 396 | 492 | 753 | 924 | 1240 | 1659 | 2013 | 2472 | 2941 | | |
| 2 | 188 | 190 | 202 | 219 | 235 | 278 | 306 | 414 | 502 | 837 | 915 | 1198 | 1519 | 2183 | 2855 | / | | |
| 3 | 172 | 173 | 197 | 223 | 235 | 253 | 310 | 323 | 464 | 545 | 662 | 945 | 1476 | 1932 | 2394 | / | | |

| BURNING CHARAC | CTERISTICS | SMOKE PRODUCTION | | | | |
|---|--|--|--|--|--|--|
| Burn Length (mm) at Flame Out/ Extinguishment | Time To Burn Out (s) | Maximum Light Attenuation (%) | Smoke Development Rate (%.min) | | | |
| 754 | 2,892 | 74 | 328 | | | |
| | | | | | | |
| 792 | 3,289 | 75 | 351 | | | |
| 730 | 2,984 | 71 | 211 | | | |
| 730 | 2,893 | 74 | 309 | | | |
| 751 | 3,055 | 73 | 290 | | | |
| | BURNING CHARAC Burn Length (mm) at Flame Out/ Extinguishment 754 792 730 730 730 | BURNING CHARACTERISTICSBurn Length (mm) at Flame Out/ ExtinguishmentTime To Burn Out (s)7542,8927593,2897923,2897302,9847302,8937513,055 | BURNING CHARACTERISTICSSMOKE PRODUCTBurn Length (mm) at Flame Out/ ExtinguishmentTime To Burn Out (s)Maximum Light Attenuation (%)7542,892747593,289757302,984717302,893747513,05573 | | | |



Testing No. 15393 Accredited for compliance with ISO/IEC 17025.

The laboratory does not allow the use of this page of the report without the use of page 1.This page alone has no validity under Clause 9 of AS/ISO 9239 Part 12004 04 092234514 April 2016

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