

m/s Godfrey Hirst Australia Pty Ltd  
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South Geelong VIC 3220 Attn MS Mandy Chandley

TEST REPORT No. 169963

LABORATORY REF: P169963

CUSTOMER REFERENCE  
**URBAN PLUSH**

Sample description as provided by customer  
Mass/unit area **32 oz/yd<sup>2</sup>**  
Construction Details **Tufted** Secondary Backing **Jute**  
Style **Cut Pile**

Order No. **APL 5G**  
Pile Fibre Content **80% WOOL & 20% SYNTHETIC**  
Colour **Grey**  
Pile Height 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 **May 2016**

Test Date **11 Jul 2016**

## ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) **AIRSTEP** **SENSI SLAB**

The underlay used was **AIRSTEP SENSI SLAB** 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 Critical Radiant Flux **8.6 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **8.6 kW/m<sup>2</sup>**  
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>8.6</b>	<b>8.1</b>	<b>8.1</b>	<b>8.3</b>
Smoke Development Rate (%.min)	<b>67</b>	<b>68</b>	<b>54</b>	<b>63</b>

The values quoted 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 8.3 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 63 percent-minutes**

OBSERVATIONS: The samples singed, ignited and burnt a short distance.



M. B. Webb  
Technical Manager

DATE: 11 Jul 2016

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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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**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	130	131	140	166	177	/												
2	129	131	136	145	155	/												
3	127	128	157	175	201	/												

**TESTS**

**BURNING CHARACTERISTICS**

**SMOKE PRODUCTION**

Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)
Initial Test: <b>Width</b>	230	741	28	47
Specimen Tests: <b>Length</b>				
1	230	720	29	67
2	250	726	35	68
3	250	726	30	54
Mean	243	724	31	63



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*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 1

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