

m/s Godfrey Hirst Australia Pty Ltd PO BOX 93 South Geelong Vic 3220 Attn MS Mandy Chandley **TEST REPORT No. 158605**

LABORATORY REF: P158605

CUSTOMER REFERENCE

DESIGNER JET CUT PILE TILE

Sample description as provided by customer Mass/unit area 17 oz/yd2 Construction Details **Tufted** Secondary Backing **Tile Enviro Bac™** Style Cut Pile

Order No. APL 1A Pile Fibre Content 100% NYLON Colour Various Pile Height 4.5 mm

The Samples Tested Were Modular Carpet With Enviro Bac™ Backing

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 Jan 2015

Test Date 13 Feb 2015

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using Water Based Surface Contact adhesive.

Substrate: Non-Combustible

Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.

The Holding Torque on Specimen Frame was 2Nm.

Specimen 1 Length Direction

Critical Radiant Flux 10.5 kW/m² Specimen 1 Width Direction Critical Radiant Flux 9.9 kW/m²

Full tests carried out in the Width Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean	
Critical Radiant Flux (kW/m²)	9.9	9.0	10.5	9.8	
Smoke Development Rate (%.min)	85	102	50	79	

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 9.8 kW/m² MEAN SMOKE DEVELOPMENT RATE 79 percent-minutes

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



M. B. Webb Technical Manager

DATE: 13 Feb 2015

Performance & Approvals Testing No. 15393

COMPETENCE Accredited for compliance with ISO/IEC 17025.

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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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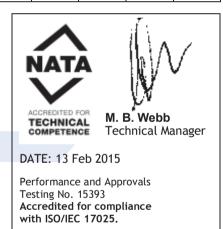
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TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS

Specimen	50	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860
1	256	257	332	566	1													
2	287	286	336	615	777	1												
3	243	244	391	1														

TESTS BURNING CHARACTERISTICS SMOKE PRODUCTION

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Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)			
Initial Test: Length	122	753	25	101			
Specimen Tests: Width							
1	160	762	29	85			
2	210	879	29	102			
3	120	770	16	50			
Mean	163	804	25	79			



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 2004 04 09 4590 28 January 2015