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**
The Samples Tested Were Modular Carpet With Enviro Bac™ Backing

Order No. **APL 1A**
Pile Fibre Content **100% NYLON**
Colour **Various**
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 **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.

Initial Test 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.**

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 13 Feb 2015

Performance & Approvals
Testing No. 15393
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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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	/													
2	287	286	336	615	777	/												
3	243	244	391	/														

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: **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

NATA
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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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