m/s Godfrey Hirst Australia Pty Ltd
P O BOX 93
South Geelong VIC 3220 Attn Ms Mandy Chandley

TEST REPORT No. 158666

LABORATORY REF: P158666

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 3A**
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 **Mar 2015** Test Date **23 Mar 2015**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using ROBERTYS 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 **8.8** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **8.5** kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	8.5	8.3	8.4	8.4
Smoke Development Rate (%.min)	36	39	43	39

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 8.4 kW/m²

MEAN SMOKE DEVELOPMENT RATE 39 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: 23 Mar 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	229	230	283	328	529													
2	226	228	287	382	608													
3	229	231	295	393	548													

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**	210	742	19	43
Specimen Tests: **Width**				
1	232	753	14	36
2	241	739	10	39
3	236	759	22	43
Mean	236	750	15	39

NATA
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M. B. Webb
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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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