Att MS Mandy Chandley
m/s Godfrey Hirst Australia Pty Ltd,
P.O. Box 93, South Geelong Vic 3220

TEST REPORT No. 104071

LABORATORY REF: P104071

CUSTOMER REFERENCE

CURRICULUM

Sample description as provided by customer Order No. **APL 4D**

Mass/unit area **20** oz/yd² / g/m² Pile Fibre Content **100% SOLUTION DYED NYLON**

Construction Details **Tufted** Secondary Backing **Tile Backing BITUMEN** Colour **795**

Style **LOOP PILE** Pile Height **4** mm

THE SAMPLES TESTED WERE MODULAR CARPET

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 C1.10a of the Building Code of Australia.***

Tested in accordance with the Carpet Institute Code of Practice for AS/ISO 9239 Testing Version 10 / 0805.

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 in use. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **22/4/2010** Test Date **14/5/2010**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using GHM GS 444 adhesive.

Substrate : Non-combustible
Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.
Sample Cleaned as Specified in ISO 11379.1997. The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux **7.9** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **8.1** kW/m²
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m²)	7.9	8.1	7.9	8.0
Smoke Development Rate (%.min)	251	168	204	208

The values quoted below are as required by Specification C1.10a 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 8.0 kW/m²

MEAN SMOKE DEVELOPMENT RATE 208 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: 14/5/2010

Measurement Science & Technology No. 15393
This document is issued in accordance with NATA's accreditation requirements.

PAGE 1 of 2

This Page (1) has been designed to show the values required under Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

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	189	191	257	334	421	781	/											
2	161	162	209	314	482	610	/											
3	202	204	257	322	396	498	/											

TESTS

Specimen	SMOKE PRODUCTION: Maximum Light Attenuation (%)	SMOKE PRODUCTION: Smoke Development Rate (%.min)	BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment	BURNING CHARACTERISTICS: Time To Burn Out (s)
Initial Test: **Width**	30	124	260	814
Specimen Tests: **Length**				
1	39	251	270	875
2	43	168	260	700
3	39	204	270	815
Mean	40	208	267	797

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M. B. Webb
Technical Manager

DATE: 14/5/2010

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& Technology No. 15393
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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 specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.
2004 04 09 5788 16 May 2010

APL Australia Pty Ltd
5 Carinish Rd, Oakleigh South
Victoria 3167 Australia

Telephone: 03 9543 1618
Facsimile: 03 9562 1818
Mobile: 0411 039 088

Email: apl@aplaustralia.com.au
Web: www.aplaustralia.com.au
ABN 69 468 849 319