m/s Beaulieu of Australia Attn: MS Sue Schultz
64 Lahrs Rd,Ormeau Q/Ld 4208

TEST REPORT No. 125846

LABORATORY REF: P125846

CUSTOMER REFERENCE

OZPRO

Sample description as provided by customer Order No. **20025**
Mass/unit area **22** oz/yd² Pile Fibre Content **100%Solution Dyed POLYPROPYLENE**
Construction Details **Tufted** Secondary Backing **Synthetic** Colour **Dark Cobble**
Style **High and Low Loop** 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 C1.10a 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 **Sept 2012** Test Date **28 Sep 2012**

ASSEMBLY SYSTEM: DIRECT STICK ROBERTS 95.

The floor covering was directly stuck to the substrate 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 **2.7** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **2.6** kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	2.6	2.7	3.1	2.8
Smoke Development Rate (%.min)	182	81	109	124

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 2.8 kW/m²

MEAN SMOKE DEVELOPMENT RATE 124 percent-minutes

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

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 28 Sep 2012

Measurement Science & Technology No. 15393
Accredited for compliance with ISO/IEC 17025.

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	214	216	222	276	324	440	492	553	621	724	856	1117	/					
2	182	184	219	288	372	450	524	755	1158	1295	1466	1853	/					
3	166	168	251	304	356	445	568	740	832	1063	1326	/						

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**	**570**	**1,873**	**25**	**138**
Specimen Tests: **Width**				
1	575	1,664	31	182
2	569	1,978	19	81
3	535	2,606	27	109
Mean	560	2,083	26	124

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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.
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