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

TEST REPORT No. 125968

LABORATORY REF: P125968

CUSTOMER REFERENCE

PDDF-CO

Sample description as provided by customer Order No. **20277**
Mass/unit area **28** oz/yd² Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**
Construction Details **Tufted** Secondary Backing **Synthetic** Colour **Cocoa**
Style **Loop Pile** 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 **Nov 2012** Test Date **28 Nov 2012**

ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP STEPSMART.

The UNDERLAY used was AIRSTEP STEPSMART.

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 **4.6** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **4.5** kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	4.5	4.5	2.5	3.8
Smoke Development Rate (%.min)	275	261	321	286

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 3.8 kW/m²

MEAN SMOKE DEVELOPMENT RATE 286 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 Nov 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	145	147	203	236	281	316	359	476	637	/								
2	167	169	213	263	288	356	394	443	679	/								
3	170	172	177	201	264	352	371	498	591	838	1082	1193	/					

TESTS

Specimen	BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment	BURNING CHARACTERISTICS: Time To Burn Out (s)	SMOKE PRODUCTION: Maximum Light Attenuation (%)	SMOKE PRODUCTION: Smoke Development Rate (%.min)
Initial Test: **Length**	**423**	**1,197**	**64**	**271**
Specimen Tests: **Width**				
1 (12110144)	430	1,213	67	275
2 (12110145)	430	1,202	64	261
3 (12110146)	590	1,569	64	321
Mean	483	1,328	65	286

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M. B. Webb
Technical Manager

DATE: 28 Nov 2012

Measurement Science
& 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 11681 27 November 2012

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