

Attn: MS Sue Schultz m/s Beaulieu of Australia 64 Lahrs Rd, Ormeau Q/Ld 4208 LABORATORY TEST REPORT P175968A

### **DIRECTORS OFFICE**

Order No. Po 28238 Sample description as provided by customer Pile weight mass/unit area 26 oz/yd<sup>2</sup> 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 the Building Code of Australia (BCA) and National Construction Code 2015 (NCC) specifications C1.10. Sample conditioning as specified in BS EN 13238.2010.

Sample Submitted Date Jul 2017

Test Date 31/July/ 2017

**Total Thickness** 

mm

### Assembly System: OVER UNDERLAY AIRSTEP STEPSMART.

The UNDERLAY used was AIRSTEP STEPSMART.

Substrate: Non-Combustible - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring. The Holding Torque on Specimen Frame was 2Nm.

The standard requires two Initial Tests be conducted on samples mounted in both Length and Width directions. Two further samples are then tested in whichever direction has the lowest Critical Radiant Flux.

Initial Tests: Length Direction Critical Radiant Flux 4.6 kW/m<sup>2</sup> Width Direction Critical Radiant Flux 4.5 kW/m<sup>2</sup>

	Specimen Tests conducted in the Width Direction									
	Specimen #1	Specimen #2	Specimen #3	Mean						
Critical Radiant Flux (kW/m <sup>2</sup> )	4.5	4.5	2.5	5 3.8						
Smoke Development Rate (%.min)	275	261	32	1 286						

The values quoted below are as required by BCA and NCC Specification C1.10 Fire Hazard Properties (Floors). The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).

# Mean Critical Radiant Flux 3.8 kW/m<sup>2</sup>

## Mean Smoke Development Rate 286 %.min

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

AS.ISO 9239.1 Clause 9(o) The test results 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. All information required for compliance with the BCA and NCC is given on this test report page.

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(v5-0, 11/03/2017)



Technical Manager

Performance & Approvals ACCREDITED FOR

**TECHNICAL** Accreditation No. 15393 COMPETENCE Accredited for compliance with ISO/IEC 17025.

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



Page 2 of 2 LABORATORY TEST REPORT The information provided on this page of the test report is for the Sponsors Use Only and will meet the requirements of the standard. This page is Not Required and has No Validity under Specification C1.10 Fire Hazard Properties (Floors) of the BCA and NCC 2015. P175968A The laboratory does not allow the use of this page of the report without the use of page 1.

#### 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						

M. B. Webb

**Technical Manager** 

TESTS	BURNING CHARAC	CTERISTICS		SMOKE PRODUCT	ION	🔺 🚯
Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)		Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	NATA
Initial Test: Length	423	1,	197	64	271	
Specimen Tests: Width						ACCREDITED FOR TECHNICAL M. B. Web COMPETENCE Technical
1	430	1,3	213	67	275	
2	430	1,:	202	64	261	DATE: 31/July/ 2017 Performance and Approvals
3	590	1,	569	64	321	Accreditation No. 15393 Accredited for compliance
Mean	483	1,:	328	65	286	with ISO/IEC 17025.

#### 2004 04 09 0 31 July 2017

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