

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

LABORATORY TEST REPORT P177606B

BRIGADE

Sample description as provided by customer Pile weight mass/unit area 28 oz/yd² Construction Details Tufted Secondary Backing Synthetic Style Loop Pile

Order No. Sue Pile Fibre Content 100% SOLUTION DYED NYLON Colour Fawn Shades Pile Height 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 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 Nov 2017

Test Date 11/Nov 2017

Total Thickness

mm

Assembly System: DOUBLE BOND (DOUBLE STICK) AIRSTEP SENSI SLAB.

The underlay used was AIRSTEP SENSI SLAB it was adhered to the substrate using ROBERTS 656 adhesive. The floor covering was adhered to the underlay using **ROBERTS 95** adhesive.

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.

Length Direction Critical Radiant Flux 3.5 kW/m² Initial Tests: Width Direction Critical Radiant Flux 2.2 kW/m²

	Specimen Tests conducted in the Width Direction									
	Specimen #1	Specimen #2	Specimen #3	Mean						
Critical Radiant Flux (kW/m ²)	2.2	2.9	3.5	2.9						
Smoke Development Rate (%.min)	409	368	345	374						

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 2.9 kW/m²

Mean Smoke Development Rate 374 %.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)

M. B. Webb Technical Manager DATE: 11/11/2017 Performance & Approvals ACCREDITED FOR TECHNICAL Accreditation No. 15393 COMPETENCE Accredited for compliance with ISO/IEC 17025.



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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. Page 2 of 2 LABORATORY TEST REPORT P177606B 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	180	181	222	254	280	325	357	399	476	580	961	1290	1936					
2	180	182	209	266	304	351	389	432	486	683	1233							
3	197	199	219	251	272	289	357	407	506	672								

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	490	1,102	82	364			
Specimen Tests: Width					ACCREDITED FOR TECHNICAL COMPETENCE M. B. Web		
1	620	2,309	83	409			
2	540	1,616	80	368	DATE: 11/11/2017 Performance and Approvals		
3	490	2,386	78	345	Accreditation No. 15393 Accredited for compliance		
Mean	550	2,104	80	374	with ISO/IEC 17025.		



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M. B. Webb **Technical Manager**