

BRIGADE

Sample description as provided by customer

Order No. 20277

Pile weight mass/unit area 28 oz/yd²

Pile Fibre Content 100% REISTAIN SOLUTION DYED NYLON

Construction Details Tufted Secondary Backing Synthetic

Colour Various

Style Nov 2012

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 Sep 2017

Test Date 5 May 2013

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/m²
 Width Direction Critical Radiant Flux 4.5 kW/m²

	Specimen Tests conducted in the Width Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m ²)	4.5	4.5	2.5	3.8
Smoke Development Rate (%.min)	275	261	321	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/m²

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.

	M. B. Webb Technical Manager	
	DATE: 5 May 2013	
	Performance & Approvals Accreditation No. 15393	
	Accredited for compliance with ISO/IEC 17025.	

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

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	423	1,197	64	271
Specimen Tests: Width				
1	430	1,213	67	275
2	430	1,202	64	261
3	590	1,569	64	321
Mean	483	1,328	65	286



ACCREDITED FOR
**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

DATE: 5 May 2013

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