

CUSTOMER REFERENCE

FORTRESS

Sample description as provided by customer

Mass/unit area 680 g/m²

Construction Details Tufted Secondary Backing Synthetic

Style Loop Pile

Order No. Vashau

Pile Fibre Content 100% SOLUTION DYED NYLON

Colour Blue/Fawn

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 C1.10 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 Feb 2016

Test Date 13 Mar 2016

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **ROBERTS** 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 10.1 kW/m²
 Specimen 1 Width Direction Critical Radiant Flux 6.6 kW/m²
 Full tests carried out in the Width Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	6.6	6.4	6.4	6.5
Smoke Development Rate (%.min)	59	57	52	56

The values quoted below are as required by Specification C1.10 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 6.5 kW/m²

MEAN SMOKE DEVELOPMENT RATE 56 percent-minutes


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



M. B. Webb
 Technical Manager

DATE: 13 Mar 2016

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Clause 9 of AS/ISO 9239 Part 1



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	208	210	352	429	685	989	1299											
2	207	209	426	584	765	1065	1481	/										
3	282	284	378	580	754	1189	1383	/										

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		150	764	8	29
Specimen Tests: Width					
1		320	1,382	15	59
2		330	1,654	14	57
3		330	1,877	13	52
Mean					

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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 Clause 9 of AS/ISO 9239 Part 1

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