

CUSTOMER REFERENCE

LIBERTY

Sample description as provided by customer

Pile weight mass/unit area 780 g/m²

Construction Details Tufted Secondary Backing Synthetic

Style Cut Pile

The Samples Secondary Backing was ACTIONFLEECE

Order No. V

Pile Fibre Content 100% SOLUTION DYED NYLON

Colour Fawn/Charcoal

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 Jun 2016

Test Date 22 Jun 2016

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using Roberts 95 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 6.6 kW/m²
 Specimen 1 Width Direction Critical Radiant Flux 5.8 kW/m²
 Full tests carried out in the Width Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	5.8	6.6	5.9	6.1
Smoke Development Rate (%.min)	83	64	75	74

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 6.1 kW/m²

MEAN SMOKE DEVELOPMENT RATE 74 percent-minutes

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



M. B. Webb
 Technical Manager
 DATE: 22 Jun 2016
 Performance & Approvals
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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	372	373	738	1051	1222	1451	1882	2194	/									
2	398	400	687	795	946	1267	1946	/										
3	364	392	609	759	906	1142	1475											

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		320	2,342	13	85
Specimen Tests: Width					
1		360	2,221	12	83
2		320	2,095	9	64
3		350	1,986	13	75
Mean		343	2,101	11	74



ACCREDITED FOR
**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

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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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