

CUSTOMER REFERENCE

SYNOPSIS

Sample description as provided by customer
 Pile weight mass/unit area 750 g/m²
 Construction Details Tufted Secondary Backing Synthetic
 Style Multi Level Loop

Order No. Vashua
 Pile Fibre Content 100% SOLUTION DYED NYLON
 Colour Charcoal/Grey
 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 Aug 2016

Test Date 12 Aug 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 5.6 kW/m²
 Specimen 1 Width Direction Critical Radiant Flux 5.8 kW/m²
 Full tests carried out in the Length Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	5.6	5.2	4.5	5.1
Smoke Development Rate (%.min)	102	99	51	84

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 5.1 kW/m²

MEAN SMOKE DEVELOPMENT RATE 84 percent-minutes

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



M. B. Webb
 Technical Manager
 DATE: 12 Aug 2016
 Performance & Approvals
 Testing No. 15393
 Accredited for compliance with ISO/IEC 17025.



PAGE 1 of 2

Clause 9 of AS/ISO 9239 Part 1

The values on Page 2 have no relevance to the Code.

1004 04 09

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	199	201	352	929	1170	1471	1866	2491	/									
2	264	266	315	376	433	841	980	1587	/									
3	217	219	403	585	915	1188	1459	1717	2500	/								

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: Width		360	1,313	23	98
Specimen Tests: Length					
1		370	2,800	19	102
2		390	2,101	21	99
3		430	3,079	19	51
Mean		397	2,660	20	84



ACCREDITED FOR
**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

DATE: 12 Aug 2016

Performance and Approvals
Testing No. 15393
Accredited for compliance
with ISO/IEC 17025.

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

2004 04 09 22944 12 August 2016