

CUSTOMER REFERENCE
RAPID CARPET TILES

Sample description as provided by customer

Mass/unit area **540 g/m²**

Construction Details **Tufted Secondary Backing Tile POLYMER**

Style **Loop Pile**

The Samples Tested Were **Modular Carpet**

Order No. **PO 107348**

Pile Fibre Content **100% SOLUTION DYED NYLON**

Colour **Charcoal**

Pile Height **3 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 **May 2016**

Test Date **04 Jun 2016**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **Water Based Surface Contact** 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 **7.1 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	7.2	6.6	6.5
Smoke Development Rate (%.min)	143	73	121	112

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 **112 percent-minutes**

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

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	DATE: 04 Jun 2016	
	Performance & Approvals Testing No. 15393	
	Accredited for compliance with ISO/IEC 17025.	

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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	285	287	441	628	741	1068	1641	1852	/									
2	296	297	351	669	995	1203	/											
3	279	280	383	584	795	1517	1946											

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		295	2,210	19	129
Specimen Tests: Width					
1		360	2,443	20	143
2		290	1,575	15	73
3		315	2,086	18	121
Mean		322	2,035	18	112



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Technical Manager

DATE: 04 Jun 2016

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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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