

CUSTOMER REFERENCE  
**RAPID CB**

Sample description as provided by customer  
 Pile weight mass/unit area **540 g/m<sup>2</sup>** Pile Fibre Content **100% SOLUTION DYED NYLON**  
 Construction Details **Tufted** Secondary Backing **TILE CUSHION BACK** Colour **Grey Shades**  
 Style **Level Loop** Pile Height mm  
**The Samples Tested Were Modular Carpet CUSHION BACK 500 mm X 500 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 **Oct 2016** Test Date **11 Nov 2016**

**ASSEMBLY SYSTEM: DIRECT STICK** (Details Below).

The floor covering was directly stuck to the substrate using **Water Based Surface Contract** 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 **8.5 kW/m<sup>2</sup>**  
 Specimen 1 Width Direction Critical Radiant Flux **8.4 kW/m<sup>2</sup>**  
 Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>8.4</b>	<b>5.9</b>	<b>8.4</b>	<b>7.6</b>
Smoke Development Rate (%.min)	<b>299</b>	<b>226</b>	<b>213</b>	<b>246</b>

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 7.6 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 246 percent-minutes**


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



**M. B. Webb**  
 Technical Manager

DATE: 11 Nov 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	214	216	273	367	444	/												
2	163	164	196	244	290	421	500	595	/									
3	173	174	211	259	283	/												

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: <b>Length</b>		247	793	61	274
Specimen Tests: <b>Width</b>					
1		250	804	73	299
2		360	728	63	226
3		250	797	62	213
<b>Mean</b>		287	776	66	246



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**



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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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