

CUSTOMER REFERENCE
RAPID BB

Sample description as provided by customer Order No. **PO108031**
 Pile weight mass/unit area **540 g/m²** Pile Fibre Content **100% SOLUTION DYED NYLON**
 Construction Details **Tufted Secondary Backing Tile Bitumen Backing** Colour **Charcoal/Grey**
 Style **Level Loop** Pile Height **3.0 mm**
The Samples Tested Were Modular Carpet 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 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 **9.3 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **9.2 kW/m²**
 Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	9.2	9.4	9.4	9.3
Smoke Development Rate (%.min)	172	106	36	105

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 9.3 kW/m²

MEAN SMOKE DEVELOPMENT RATE 105 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

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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	246	248	298	390	560	/												
2	286	288	334	466	720	/												
3	190	191	205	266	600	/												

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		215	892	34	118
Specimen Tests: Width					
1		220	953	36	172
2		210	764	32	106
3		210	535	21	36
Mean		213	751	30	105



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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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