

CUSTOMER REFERENCE

**BERBERPOINT 920 NEXRAC CARPET TILES**

Sample description as provided by customer

Order No. PS

Mass/unit area oz/yd<sup>2</sup> 920 g/m<sup>2</sup> Pile Fibre Content 100% POLYPROPYLENE

Construction Details Secondary Backing Bitumen Calcium Carbonate Compound

Colour Black

Style LOOP PILE STRUCTURED NEEDLEPUNCH

Pile Height 3.5 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 C1.10a of the Building Code of Australia.**

Tested in accordance with the Carpet Institute Code of Practice for AS/ISO 9239 Testing Version 10 / 0805.

The test results 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 in use. Clause 9 of AS/ISO 9239 Part 1

Conditioning as specified in BS EN 13238.2001

Sample submitted Date 21/11/2008

Test Date 16/12/2008

**ASSEMBLY SYSTEM DIRECT STICK** details below.

The floor covering was directly stuck to the substrate using ROBERTS 656 adhesive.

Substrate : Non-combustible

Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.

Sample Cleaned as Specified in ISO 11379.1997

Initial Test Specimen 1 Length Direction Critical Radiant Flux 1.5 kW/m<sup>2</sup>  
 Specimen 1 Width Direction Critical Radiant Flux 1.5 kW/m<sup>2</sup>  
 Full tests carried out in the Length Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	1.5	1.5	1.4	1.5
Smoke Development Rate (%.min)	831	834	883	849

The values quoted below are as required by Specification C1 10a Fire Hazard Properties (Floors) of the Building Code of Australia. The Critical Radiant Flux quoted is the value at Flame-Out.

**MEAN CRITICAL RADIANT FLUX 1.5 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 849 %.min**

OBSERVATIONS The samples shrunk away from the heat source then ignited



Authorised Signatory **M. B. Webb**  
 Technical Manager *[Signature]*  
 DATE *16/12/2008*  
 Measurement Science and Technology No. 15393

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PAGE 1 of 2

Page 2 only shows the time required in seconds for the flame front to reach each time marker, the total test time and the CHF value at 30 minutes (if applicable).

The laboratory allows the use of this page of the report without the use of page 2.

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**Pyrometer temperature**  
 On calibration 576.6 °C  
 Start of test run 575.2  
 During test run 575.8

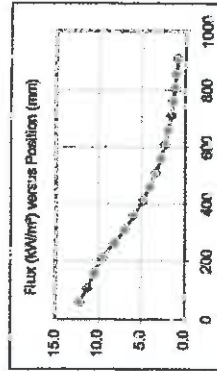
**Chamber temperature**  
 On calibration 99.2 °C  
 Start of test run 100.5  
 During test run 101.2

**Clause 7.2.2 AS/ISO 9239** The pyrometer should be  $\pm 5^\circ$  of calibration temperature.  
 The Chamber temperature should be  $\pm 10^\circ$  of calibration temperature  
 The Holding Tension on Specimen Frame was 2 Nm

**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	176	183	209	240	274	339	395	446	504	520	657	1058	1265	1529	1908	/		
2	182	188	228	267	306	358	408	483	569	662	754	1129	1357	1682	2006			
3	169	179	214	257	296	427	427	432	461	564	651	1093	1252	1524	1877	/		

**FLUX CALIBRATION: FLX08001**



**TESTS**

Specimen	SMOKE PRODUCTION			BURNING CHARACTERISTICS			
	Maximum Light Attenuation (%)	Smoke Development Rate (%/min)	Burn Length at Flame Out (mm)	Time To Burn Out (s)	Critical Heat Flux at 30min (kW/m²)		
Initial Test: Width	100	843	737	2,086	1.6		
Specimen Tests: Length							
1	95	831	740	2,490	1.6		
2	94	834	739	2,681	1.6		
3	96	863	750	2,506	1.6		
Mean	95	849	743	2,459	1.6		



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