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TEST REPORT No. 0070999

LABORATORY REF: P070999

CUSTOMER REFERENCE

**TECH 2500**

Sample description as provided by customer

Mass/unit area 20 oz/yd<sup>2</sup> g/m<sup>2</sup> Pile Fibre Content 100% DYCLON POLYPROPYLENE

Construction Details Tufted Secondary Backing Jute

Style LEVEL LOOP

Order No. 10175

Colour Tan

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 C1.10a 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 7/12/2007

Test Date 11/1/2007

**ASSEMBLY SYSTEM DIRECT STICK** details below.

The floor covering was directly stuck to the substrate using ROBERTS 95 SF 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 2.4 kW/m<sup>2</sup>  
 Specimen 1 Width Direction Critical Radiant Flux 2.4 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> )	2.4	2.5	2.2	2.4
Smoke Development Rate (%.min)	169	88	182	146


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 2.4 kW/m<sup>2</sup>**  
**MEAN SMOKE DEVELOPMENT RATE 146 %.min**

OBSERVATIONS The samples melted away from the heat source then Ignited



Authorised Signatory **M. B. Webb**  
 Date 11/1/2007



ACCREDITED FOR **TECHNICAL COMPETENCE**  
 NATA Reg. No. 15393  
 Heat and temperature measurement.

**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 528.7 °C  
Start of test run 530.5  
End of test run 532.0

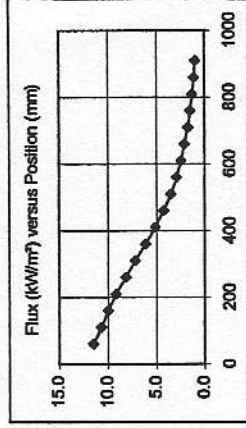
**Chamber temperature**  
On calibration 91.1 °C  
Start of test run 96.0  
End of test run 97.3/

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 1 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	169	50	248	371	449	579	694	794	842	1083	1159	1493	1986	0				
2	0	175	231	386	490	554	662	729	867	1081	1233	1451	0					
3	0	186	293	396	442	585	672	821	987	1133	1448	1859	2202	0				

**FLUX CALIBRATION: FLX06003**



**TESTS**

**BURNING CHARACTERISTICS**

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)	Time To Burn Out (s)	Burn Length at Flame Out (mm)	Smoke Development Rate (%.min)
Initial Test: Width	31	154	615	2,299	2.8			
Specimen Tests: Length								
1	19	169	620	2,674	2.7			
2	18	88	608	2,265	2.7			
3	30	182	640	2,842	2.6			
Mean	22	146	623	2,594	2.7			



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Heat and temperature measurement.

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M B Webb

Date 11/1/207

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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 specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

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