



Att MS Sue Schultz  
m/s Beaulieu of Australia  
64 Lahrs Rd, Ormeau Qld 4207

TEST REPORT No. 000881

LABORATORY REF: P060881

CUSTOMER REFERENCE

**LIBERATION**

Sample description as provided by customer

Order No. 9785

Mass/unit area 24 oz/yd<sup>2</sup> 810 g/m<sup>2</sup> Pile Fibre Content 100% RESISTAIN SOLUTION DYED NYLON

Construction Details Tufted Secondary Backing Synthetic

Colour Fawn

Style Level Loop

Pile Height 4 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 **October 2006**

Test Date **5/11/2006.**

**ASSEMBLY SYSTEM DIRECT STICK** details below.

The floor covering was directly stuck to the substrate using ROBERTS 95SF 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 9.3 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> )	8.4	9.4	8.8	8.9
Smoke Development Rate (%.min)	35	60	42	46

The values quoted below are as required by Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.


**MEAN CRITICAL RADIANT FLUX 8.9kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 46percentage-minutes**

OBSERVATIONS **The samples melt away from the heat source then ignited**



Authorised Signatory **M. B. Webb**  
Date **5/11/2006.**



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NATA Reg. No. 15393  
Heat and temperature measurement.

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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 527.3  
 End of test run 531.2

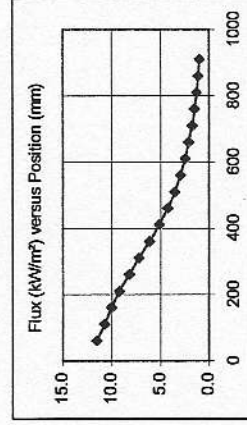
**Chamber temperature**  
 On calibration 91.0 °C  
 Start of test run 89.3  
 End of test run 90.5

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	132	196	352	482	823	/													
2	132	171	308	492	0	/													
3	128	173	332	477	617	/													

**FLUX CALIBRATION: FLX060003**



**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)	Time To Burn Out (s)	Burn Length at Flame Out (mm)	Time To Burn Out (s)
Initial Test: Length	14	45	201	892	-0.0			
Specimen Tests: Width								
1	12	35	250	1,046	(n/a)			
2	14	60	200	868	(n/a)			
3	9	42	230	1,078	(n/a)			
Mean	12	46	227	997				

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 COMPETENCE**

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 Heat and temperature measurement

Authorised Signatory  
**M. B. Webb**  
 Date 5/11/2006.

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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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