

MS Sue Schultz  
m/s Beaulieu of Australia  
64 Lahrs Rd, Ormeau Q/ld 4208

TEST REPORT No. 0070996

LABORATORY REF: P070996

CUSTOMER REFERENCE

## PLAYGROUND

Sample description as provided by customer

Mass/Unit area 28 oz/yd<sup>2</sup> g/m<sup>2</sup> Pile Fibre Content 100% SOLUTION DYED DYCLON

Construction Details Tufted Secondary Backing Synthetic

Style LEVEL LOOP

Order No. 10213

Colour Blue

Pile Height 4.5 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 December 2006

Test Date 16/1/2007

## 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 2.3 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> )	2.3	2.1	2.1	2.2
Smoke Development Rate (%.min)	327	409	325	354

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

### MEAN SMOKE DEVELOPMENT RATE 354 %.min

OBSERVATIONS The sample melted away from the heat source then ignited

 <b>NATA</b> ACCREDITED FOR TECHNICAL COMPETENCE	Authorised Signatory M. B. Webb Date 16/1/2007
	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.

1001 01 06

Pyrometer temperature  
 On calibration 535.9°C  
 Start of test run 535.8  
 End of test run 533.7

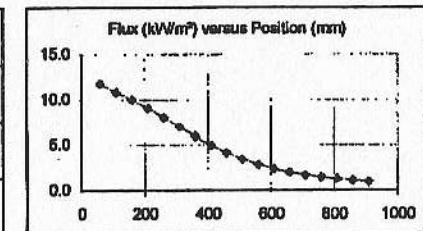
Chamber temperature  
 On calibration 96.6°C  
 Start of test run 97.0  
 End of test run 97.6

Clause 7.2.2 AS/ISO 9239 The pyrometer should be ± 5° of calibration temperature.  
 The Chamber temperature should be ±10° 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	158	201	359	403	483	500	576	655	882	1017	1381	1381	1970					
2	159	235	395	400	430	510	567	693	963	999	1207	1368	2109					
3	169	207	280	389	429	564	630	691	834	939	1123	1324	2347					

**FLUX CALIBRATION: FLX07001**



**TESTS**

**SMOKE PRODUCTION**

**BURNING CHARACTERISTICS**

Specimen	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: Length	43	387	615	2,790	2.4
Specimen Tests: Width					
1	41	327	620	2,771	2.4
2	47	409	635	2,911	2.5
3	37	325	635	3,038	2.6
Mean	42	354	630	2,907	2.5



ACCREDITED FOR  
**TECHNICAL  
 COMPETENCE**

NATA Reg. No. 15393  
 Heat and temperature measurement.

Authorised Signatory  
**M B Webb**  
 Date 16/1/2007

**PAGE 2 of 2**

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.