



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

TEST REPORT No. 093385
LABORATORY REF: P093385

CUSTOMER REFERENCE

PLAYGROUND

Sample description as provided by customer

Order No. 14833

Mass/unit area 20 oz/yd² g/m² Pile Fibre Content 100% SOLUTION DYED POLYPROPYLENE

Construction Details Tufted Secondary Backing Jute

Colour Midnight

Orchid

Style Loop

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 10/6/2009

Test Date 1/7/2009

ASSEMBLY SYSTEM DIRECT STICK details below.

The floor covering was directly stuck to the substrate using ROBERTS 95 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 2.8 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 2.7 kW/m²
Full tests carried out in the Width Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	2.7	3.1	2.7	2.8
Smoke Development Rate (%.min)	185	137	208	177

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 2.8 kW/m²

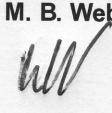
MEAN SMOKE DEVELOPMENT RATE 177 %.min

OBSERVATIONS The samples shrunk away from the heat source then ignited



ACCREDITED FOR
TECHNICAL
COMPETENCE

Authorised Signatory **M. B. Webb**

Technical Manager 

DATE 1/7/2009

Measurement Science and
Technology No. 15393

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.

1003 05 07

TEST REPORT No. 93385
LABORATORY REF: P093385

THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THE REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER CLAUSE C1.10A OF THE BUILDING CODE OF AUSTRALIA

PAGE 2 of 2

Pyrometer temperature
On calibration 576.6 °C
Start of test run 577.2
During test run 577.8

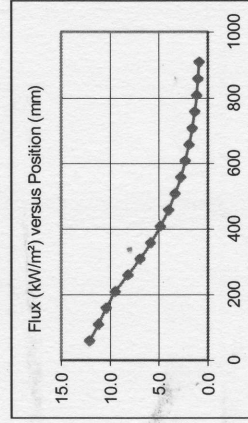
Chamber temperature
On calibration 99.2 °C
Start of test run 100.5
During test run 100.8

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	181	184	210	286	368	520	608	663	765	945	1234	1329						
2	182	186	217	267	397	480	624	774	907	951/	1284							
3	163	167	220	271	327	408	552	783	935	1085	1217	1455	/					

FLUX CALIBRATION: FLX08001



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	23	194	565	1,456	
Specimen Tests: Width					
1	23	185	570	1,583	(n/a)
2	17	137	540	1,696	(n/a)
3	19	208	575	1,631	(n/a)
Mean	20	177	562	1,637	



ACCREDITED FOR
TECHNICAL
COMPETENCE

Measurement Science and
Technology No. 15393

Authorised Signatory
M B Webb
Date 1/7/2009

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.

2002 05 07 20194

APL Australia Pty Ltd
5 Carinish Rd, Oakleigh South
Victoria 3167 Australia

Telephone: 03 9543 1618
Facsimile: 03 9562 1818
Mobile: 0411 039 088

Email: apl@aplaustralia.com.au
Web: www.aplaustralia.com.au
ABN 69 468 849 319