

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

TEST REPORT No. 072165

LABORATORY REF: P072165

CUSTOMER REFERENCE
DAYTONA

Sample description as provided by customer
Mass/unit area **22 oz/yd²** g/m² Pile Fibre Content **100% DYCLON POLYPROPYLENE** Order No. **11354**
Construction Details **Tufted** Secondary Backing **Jute** Colour **Macrama**
Style **Multi Level Loop** mm Pile Height

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 **27/7/2007**

Test Date **9/8/2007**

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 **2.8 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	2.7	2.6	2.7
Smoke Development Rate (%.min)	224	136	196	185

*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 2.7 kW/m²

MEAN SMOKE DEVELOPMENT RATE 185 %.min

OBSERVATIONS The samples shrunk away from the heat source then ignited



Authorised Signatory **M. B. Webb**
Date **9/8/2007**

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 535.9°C
 Start of test run 540.0
 End of test run 535.4

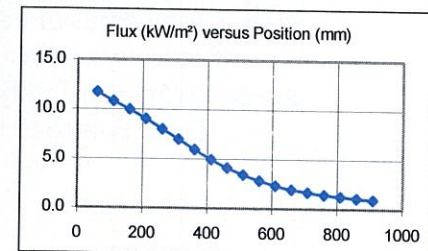
Chamber temperature
 On calibration 96.6°C
 Start of test run 95.3
 End of test run 93.7

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	139	187	255	325	399	468	523	633	806	986	1359	1864	/					
2	145	159	249	377	489	537	626	805	1044	1256	1813	1876	/					
3	145	158	234	316	441	471	548	629	927	1105	1650	1873						

FLUX CALIBRATION: FLX07001



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: Length	34	229	563	2,168	2.9
Specimen Tests: Width					
1	36	224	575	2,208	2.8
2	32	136	570	2,517	2.8
3	33	196	579	2,239	2.8
Mean	34	185	575	2,321	2.8

NATA
 ACCREDITED FOR
 TECHNICAL
 COMPETENCE

NATA Reg. No. 15393
 Heat and temperature measurement.

Authorised Signatory
M B Webb
 Date 9/8/2007

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 This page alone has no validity under specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

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