

MS Sue Schultz
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TEST REPORT No. 082590

LABORATORY REF: P082590

CUSTOMER REFERENCE

AUGUSTA LANE

Sample description as provided by customer

Order No. 12535

Mass/unit area 45 oz/yd² g/m² Pile Fibre Content 100% PERMASOFT SOLUTION DYED NYLON

Construction Details Tufted Secondary Backing Synthetic

Colour Cream

Style Multi Level Loop

Pile Height 3/8 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 14/3/2008

Test Date 31/3/2008

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 4.4 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 4.4 kW/m²
Full tests carried out in the Length Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	4.4	4.7	5.7	4.9
Smoke Development Rate (%.min)	172	189	241	201

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 4.9 kW/m²

MEAN SMOKE DEVELOPMENT RATE 201 %.min

OBSERVATIONS The samples shrunk away from the heat source then ignited



Authorised Signatory **M. B. Webb**
Date 31/3/2008



Measurement Science and
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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).

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Pyrometer temperature
On calibration 576.6°C
Start of test run 575.5
During test run 579.1

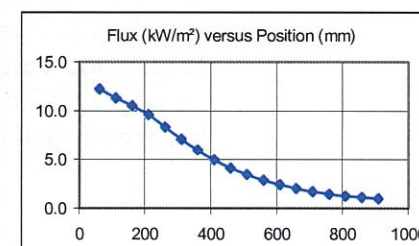
Chamber temperature
On calibration 99.2°C
Start of test run 91.5
During test run 97.5

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 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	227	233	491	644	969	1265	1549	1885	2508	/								
2	199	207	392	586	761	948	1269	1899	1951									
3	168	174	403	494	680	859	1176	1805	/									

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: Width	31	179	429	2,675	5.9
Specimen Tests: Length					
1	29	172	440	2,858	5.9
2	38	189	420	2,095	6.1
3	33	241	370	2,010	5.9
Mean	33	201	410	2,321	6.0



ACCREDITED FOR
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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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