

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

TEST REPORT No. 093362

LABORATORY REF: P093362

CUSTOMER REFERENCE

LIBERATION

Sample description as provided by customer

Mass/unit area 24 oz/yd² g/m² Pile Fibre Content 100% SOLUTION DYED NYLON RESISTAIN

Construction Details Tufted Secondary Backing Synthetic

Style LOOP

Order No. 14840

Colour Dynasty

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 June 2009

Test Date 16/6/2009

ASSEMBLY SYSTEM OVER UNDERLAY details below.

The UNDERLAY used was BRIDGESTONE BLACK RUBBER

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 6.8 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 7.0 kW/m²
Full tests carried out in the Length Direction



SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	6.8	6.8	7.0	6.9
Smoke Development Rate (%.min)	211	175	219	202

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 6.9 kW/m²

MEAN SMOKE DEVELOPMENT RATE 202 %.min

OBSERVATIONS The samples shrunk away from the heat source ,ignited and burnt a short distance

	Authorised Signatory M. B Webb
	Technical Manager 
	DATE 16/6/2009
	Measurement Science and Technology No. 15393

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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 576.6°C
Start of test run 577.4
During test run 577.8

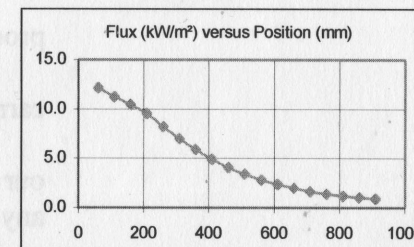
Chamber temperature
On calibration 99.2°C
Start of test run 100.4
During test run 100.8

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	158	162	216	307	355	447	737	/										
2	163	165	226	304	354	472	566	/										
3	156	160	282	314	382	432	591	/										

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	40	214	310	844	(n/a)
Specimen Tests: Length					
1	40	211	320	939	(n/a)
2	38	175	320	827	(n/a)
3	45	219	310	874	(n/a)
Mean	41	202	317	880	



ACCREDITED FOR
TECHNICAL
COMPETENCE

Measurement Science and
Technology No. 15393

Authorised Signatory
M B Webb
Date 16/6/2009

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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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