

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

TEST REPORT No. 082938

LABORATORY REF: P082938

CUSTOMER REFERENCE

## MEDALLION

Sample description as provided by customer

Mass/unit area 26 oz/yd<sup>2</sup> g/m<sup>2</sup> Pile Fibre Content 100% RESISTAIN SOLUTION DYED NYLON

Construction Details Tufted Secondary Backing Synthetic

Style LOOP

Order No. 13773

Colour Tourmaline

Pile Height 3.5 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 21/10/2008

Test Date 8/11/2008

## ASSEMBLY SYSTEM OVER UNDERLAY details below.

The UNDERLAY used was BRIDGESTONE PRIME.

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 1.8 kW/m<sup>2</sup>  
Specimen 1 Width Direction Critical Radiant Flux 1.9 kW/m<sup>2</sup>  
Full tests carried out in the Width Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	1.8	1.9	1.8	1.8
Smoke Development Rate (%.min)	534	483	437	485

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 1.8 kW/m<sup>2</sup>

### MEAN SMOKE DEVELOPMENT RATE 485 %.min

OBSERVATIONS The samples shrunk away from the heat source then ignited



ACCREDITED FOR  
TECHNICAL  
COMPETENCE

Authorised Signatory M. B. Webb

Technical Manager

DATE 8/11/2008

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



**Pyrometer temperature**  
On calibration 576.6°C  
Start of test run 577.3  
During test run 577.9

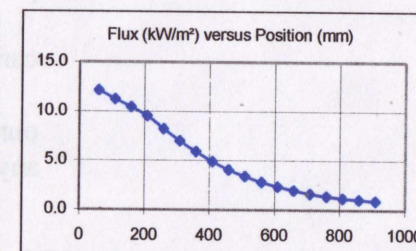
**Chamber temperature**  
On calibration 99.2°C  
Start of test run 100.4  
During test run 100.9

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	185	189	218	244	281	329	363	409	579	870	1219	1895	2343	3156	/			
2	184	190	201	239	268	328	372	445	569	837	1089	1758	2483	3085				
3	181	188	194	228	253	292	381	458	550	851	1191	1802	2548	2963	/			

**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	85	492	685	3,471	2.8
Specimen Tests: Length					
1	83	534	690	3,705	2.8
2	89	483	673	3,259	2.8
3	81	437	680	3,060	2.8
Mean	84	485	681	3,341	2.8



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**

Measurement Science and  
Technology No. 15393

Authorised Signatory  
**M B Webb**  
Date 8/11/2008

**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 36408