



Att Mr John Roberts
 m/s Bridgestone Pty,
 Consumer Products Division 20 Gippsland Highway Dandenong Vic

TEST REPORT No. 072467

LABORATORY REF: P072467

CUSTOMER REFERENCE

MEDALLION

Sample description as provided by customer

Order No. **JR**

Mass/unit area **26 oz/yd² 882 g/m²** Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**

Construction Details **Tufted** Secondary Backing **Synthetic**

Colour **Yellow /Fawn**

Style **Loop**

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 **18/12/2007**

Test Date **9/12/2007**

ASSEMBLY SYSTEM OVER UNDERLAY details below.

The UNDERLAY used was BRIDGESTONE PREMIUM GOLD.

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 2.0 kW/m²
 Specimen 1 Width Direction Critical Radiant Flux 1.9 kW/m²
 Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	1.9	1.8	1.9	1.9
Smoke Development Rate (%.min)	406	431	459	432

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 1.9 kW/m²
MEAN SMOKE DEVELOPMENT RATE 432 %.min

OBSERVATIONS **The samples slowly shrunk away from the heat source then ignited**



Authorised Signatory **M. B. Webb**
 Date **9/12/2007**

NATA Reg. No. 15393
 Heat and temperature measurement.



ACCREDITED FOR **TECHNICAL COMPETENCE**

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.

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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

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Pyrometer temperature
 On calibration 535.9°C
 Start of test run 535.0
 End of test run 535.7

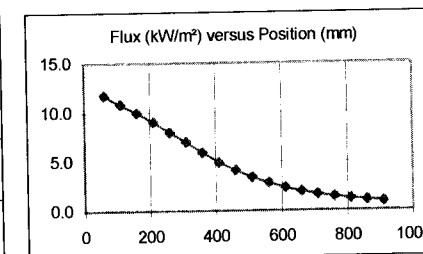
Chamber temperature
 On calibration 96.6°C
 Start of test run 90.1
 End of test run 91.5

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 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	149	154	179	249	346	394	470	863	1065	1356	1709	2013	2717	2913	/			
2	147	154	189	246	351	495	483	795	983	1254	1683	2159	2659	3096				
3	149	155	204	278	329	402	459	600	914	1224	1859	2351	2576	3419	/			

FLUX CALIBRATION: FLX07001



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	57	419	654	2,951	3.1
Specimen Tests: Width					
1	61	406	670	3,079	3.1
2	59	431	689	3,179	2.9
3	63	459	670	3,688	2.8
Mean	61	432	676	3,315	2.9



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**TECHNICAL
 COMPETENCE**

NATA Reg. No. 15393
 Heat and temperature measurement.

Authorised Signatory
M B Webb
 Date 9/12/2007

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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.