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

TEST REPORT No. 000973

LABORATORY REF: **P060973**

CUSTOMER REFERENCE

MEDALLION

Sample description as provided by customer Order No.

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

Construction Details **Tufted** Secondary Backing **Synthetic** Colour **Black**

Style **Level 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 **November 2006** Test Date **11/12/2006**

ASSEMBLY SYSTEM OVER UNDERLAY details below.

The UNDERLAY used was DUNLOP EXCELLAY

Substrate : 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 4.5 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 4.4 kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	4.4	4.8	4.6	4.6
Smoke Development Rate (%.min)	310	284	341	312

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 4.6 kW/m²

MEAN SMOKE DEVELOPMENT RATE 312 %.min

OBSERVATIONS **the samples melted from the heat source and then ignited**

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

Authorised Signatory **M. B. Webb**
Date **11/12/2006**

NATA Reg. No. 15393
Heat and temperature measurement.

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.

1001 01 06

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TEST REPORT No. 973
LABORATORY REF: P060973

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

Pyrometer temperature
On calibration 528.7°C
Start of test run 527.8
End of test run 530.1

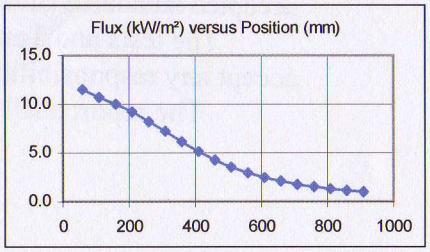
Chamber temperature
On calibration 91.0°C
Start of test run 88.9
End of test run 87.9

Clause 7.2.2 AS/ISO 9239 The pyrometer should be ± 5° of calibration temperature.
The Chamber temperature should be ±10° 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	174	179	216	259	376	434	479	589	964	/								
2	149	268	268	331	381	419	486	549	814	/								
3	149	161	299	329	391	429	465	580	743	/								

FLUX CALIBRATION: FLX06003



TESTS

Specimen	SMOKE PRODUCTION: Maximum Light Attenuation (%)	SMOKE PRODUCTION: Smoke Development Rate (%.min)	BURNING CHARACTERISTICS: Burn Length at Flame Out (mm)	BURNING CHARACTERISTICS: Time To Burn Out (s)	BURNING CHARACTERISTICS: Critical Heat Flux at 30min (kW/m²)
Initial Test: **Length**	**58**	**242**	**444**	**1,508**	(n/a)
Specimen Tests: **Width**					
1	59	310	450	1,506	(n/a)
2	67	284	430	1,006	(n/a)
3	67	341	440	984	(n/a)
Mean	64	312	440	1,165	

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TECHNICAL
COMPETENCE

NATA Reg. No. 15393
Heat and temperature measurement.

Authorised Signatory
M B Webb
Date **11/12/2006**

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.

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P.O. Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

CLIENT : BEAULIEU OF AUSTRALIA LIMITED
64 LAHRS ROAD
ORMEAU QLD 4208

TEST NUMBER : 7-532688-AQ
DATE : 10/12/2004
ORDER NUMBER : 7119

SAMPLE DESCRIPTION Clients Ref: Medallion/Integral
Tufted loop pile carpet
Colour: Grey/Beige check design
Approximate Pile Height: 3.5mm

Material Specification:
Nominal Composition: 100% Resistain nylon
Nominal Total Pile Mass: 746g/m2
Nominal Backing: Primary - Woven polypropylene
Secondary - Synthetic

ASISO 9239.1-2003 Reaction to Fire Tests for Floorings
Part 1 Determination of the Burning Behaviour
using a Radiant Heat Source

Date of sample arrival: 04/11/2004
Date tested: 25/11/2004
Results: CHF (Critical Heat Flux / Critical Radiant Flux)

	1	2	3	Mean	
Length	3.4				kW/m2
Width	3.1	2.5	2.5	3.7	kW/m2

Smoke Value

	1	2	3	Mean	
Length	139				% min
Width	118	100	141	120	% min

Observation: Melting
Blistering
Penetration of flame through to substrate

Note: Sample was conditioned in accordance with BSEN 13238-2001 at a temperature of 23+/-2degC and Relative Humidity of 50+/-5% for a minimum of 48 hours prior to testing

Each specimen was adhered to a substrate of 6mm thick fibre reinforced cement board using Roberts 80 adhesive and clamped prior to testing

139850 2 (CONTINUED NEXT PAGE)

This Laboratory is accredited by the National Association of Testing Authorities, Australia, for:
- Chemical Testing of Textiles & Related Products : Accreditation No. 983
- Mechanical Testing of Textiles & Related Products : Accreditation No. 985
- Heat & Temperature Measurement : Accreditation No. 1356

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AWTA LIMITED

0204/7/04

APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

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ORMEAU QLD 4208

TEST NUMBER : 7-532688-AQ
DATE : 10/12/2004
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MANAGING DIRECTOR