



Mr Frank. J. Schlinkmann  
 m/s Tuftmaster Carpets Pty Ltd,  
 8 Cope St, Preston . Vic 3072.

TEST REPORT No. 0071055

LABORATORY REF: P071055

CUSTOMER REFERENCE

**19oz SDN COLLECTION**

Sample description as provided by customer

Order No. 31533

Mass/unit area 19 oz/yd<sup>2</sup> g/m<sup>2</sup> Pile Fibre Content 100% SOLUTION DYED NYLON

Construction Details Tufted Secondary Backing Thermoplastic olifin/Fibreglass

Colour Blue

Style Loop Pile

Pile Height / mm

The samples tested were Modular Carpet

**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 January 2007

Test Date 26/2/2007

**ASSEMBLY SYSTEM DIRECT STICK** details below.

The floor covering was directly stuck to the substrate using WATER BASED PRESSURE SENSATIVE 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 4.6 kW/m<sup>2</sup>  
 Specimen 1 Width Direction Critical Radiant Flux 4.7 kW/m<sup>2</sup>  
 Full tests carried out in the Length Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	4.6	5.5	4.5	4.9
Smoke Development Rate (%.min)	124	127	184	145


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/m<sup>2</sup>**  
**MEAN SMOKE DEVELOPMENT RATE 145 %.min**

OBSERVATIONS The samples melted away from the heat source then ignited



Authorised Signatory **M. B. Webb**  
 Date 26/2/2007



ACCREDITED FOR TECHNICAL COMPETENCE 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.

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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

**PAGE 2 of 2**

Pyrometer temperature  
 On calibration 535.9°C  
 Start of test run 537.5  
 End of test run 95.9

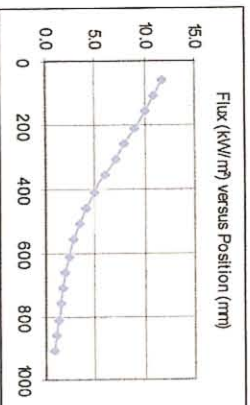
Chamber temperature  
 On calibration 96.6°C  
 Start of test run 537.8  
 End of test run 97.0

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	170	33	269	293	326	555	792	928	1319	/									
2	189	200	304	487	512	622	810	1067	/										
3	162	169	271	349	524	727	834	1142	1388	/									

**FLUX CALIBRATION: FLX07001**



**TESTS**

Specimen	SMOKE PRODUCTION				BURNING CHARACTERISTICS		
	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	21	132	426	1,319	-0.0		
Specimen Tests: Length							
1	19	124	430	1,325	(n/a)		
2	26	127	380	1,436	(n/a)		
3	25	184	435	1,615	(n/a)		
Mean	23	145	415	1,459			

**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.

2001 01 06 14442

APL Australia Pty Ltd  
 5 Carlish Rd, Oakleigh South  
 Victoria 3167 Australia

Telephone: 03 9543 1618  
 Facsimile: 03 9562 1818  
 Mobile: 0411 039 088

Email: ap1@aplaustralia.com.au  
 Web: www.aplaustralia.com.au  
 ABN 69 468 849 319

  
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 TECHNICAL  
 COMPETENCE  
 NATA Reg. No. 15393  
 Heat and temperature measurement.  
 Authorised Signatory  
**M B Webb**  
 Date 26/2/2007