

m/s RUGS CARPETS & DESIGN
Attn: Attn Mr JackMalka
620 Church Street, Richmond Vic 3121

TEST REPORT No. 115366

LABORATORY REF: P115366

CUSTOMER REFERENCE

HL 910

Sample description as provided by customer
Mass/unit area **910 g/m²**
Construction Details **Tufted** Secondary Backing **Synthetic Acoustic Backing**
Style **Cut Pile**

Order No. **JM**
Pile Fibre Content **100% NYLON**
Colour **Charcoal/White**
Pile Height / 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 values 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 **October 2011**

Test Date **17 Nov 2011**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **ROBERTS 95 adhesive**.

Substrate: Non-Combustible

Substrate - **6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.**

The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux **6.9 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **6.2 kW/m²**
Full tests carried out in the **Width Direction**



SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	6.2	5.4	6.7	6.1
Smoke Development Rate (%.min)	116	143	159	139

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/Extinguishment (BCA General Provisions A1.1).

MEAN CRITICAL RADIANT FLUX 6.1 kW/m²

MEAN SMOKE DEVELOPMENT RATE 139 percent-minutes

OBSERVATIONS: **The samples singed, ignited and burnt a relatively short distance.**

 NATA <small>ACCREDITED FOR TECHNICAL COMPETENCE</small>	M. B. Webb Technical Manager	
	DATE: 17 Nov 2011	
	Measurement Science & Technology No. 15393 Accredited for compliance with ISO/IEC 17025.	

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This Page (1) has been designed to show the values required under Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

The values on Page 2 have no relevance to the Code.


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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	240	241	397	447	505	742	1008	/										
2	230	231	314	380	516	681	1015	1363	/									
3	256	257	367	479	596	730	1205	/										

TESTS

Specimen	SMOKE PRODUCTION			BURNING CHARACTERISTICS		
	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)		
Initial Test: Length	27	105	310	1,157		
Specimen Tests: Width						
1	29	116	340	1,642		
2	30	143	380	1,828		
3	33	159	320	1,419		
Mean	31	139	347	1,630		



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M. B. Webb
 Technical Manager

DATE: 17 Nov 2011

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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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