

Att MS Sue Schultz m/s Beaulieu of Australia 64 Lahrs Rd. Ormeau Q/ld 4208 **TEST REPORT No. 114546A** 

LABORATORY REF: P114546A

## **CUSTOMER REFERENCE** CAPITAL HILL

Sample description as provided by customer

Order No. 17331

Mass/unit area 26 oz/yd² / g/m²

Pile Fibre Content 1005 RESISTAIN SOLUTION DYED NYLON

Construction Details Tufted Secondary Backing Synthetic

Colour Weathered Acorn

Style Multi Level Loop

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 January 2011

Test Date 11/2/2011

## ASSEMBLY SYSTEM: OVER UNDERLAY (Details Below).

The UNDERLAY used was DUNLOP FOAM "CARPET MATE".

Substrate: Non-combustible

Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring, Sample Cleaned as Specified in ISO 11379.1997. The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Specimen 1 Width Direction

Critical Radiant Flux 2.7 kW/m<sup>2</sup> Critical Radiant Flux 2.4 kW/m<sup>2</sup>

Full tests carried out in the

Width Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean	
Critical Radiant Flux (kW/m²)	2.4	2.4	2.8	2.5	
Smoke Development Rate (%.min)	91	148	143	127	

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 2.5 kW/m² MEAN SMOKE DEVELOPMENT RATE 127 percent-minutes**

OBSERVATIONS The samples shrunk away frm the heat source then ignited



M. B. Webb Technical Manager

DATE: 11/2/2011

Measurement Science & Technology No. 15393

This document is issued in accordance with NATA's accreditation requirements.



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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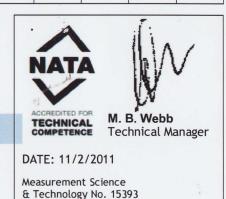
TEST REPORT No. 114546 LABORATORY REF: P114546 THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THE REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER CLAUSE C1.10A OF THE BUILDING CODE OF AUSTRALIA

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## 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	163	164	186	213	260	338	451	573	751	1027	1209	1431	. 1	. V		a.		
2	185	186	221	245	283	337	439	517	630	819	1162	1589	1					
3	170	171	203	228	294	355	483	607	762	830	1192	1495	1		ya.			

TESTS	SMOKE PRODUCTION	NC	<b>BURNING CHARACTERISTICS</b>				
Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)			
Initial Test: Length	46	205	565	1,279			
Specimen Tests: Width				4.44			
1	20	91	600	1,763			
2	49	<b>₽148</b>	600	1,756			
3	49	143	, 560	1,499			
Mean	39	127	*587	1,673			



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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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