



Att MS Sue Schultz
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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 Critical Radiant Flux **2.7 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **2.4 kW/m²**
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	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 from the heat source then ignited



M. B. Webb
Technical Manager

DATE: 11/2/2011

Measurement Science & Technology No. 15393
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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	163	164	186	213	260	338	451	573	751	1027	1209	1431	/					
2	185	186	221	245	283	337	439	517	630	819	1162	1589	/					
3	170	171	203	228	294	355	483	607	762	830	1192	1495	/					

TESTS

SMOKE PRODUCTION

BURNING CHARACTERISTICS

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				
1	20	91	600	1,763
2	49	148	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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