MS Sue Schultz
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64 Lahrs Rd, Ormeau Q/ld 4208

TEST REPORT No. 115100

LABORATORY REF: P115100

CUSTOMER REFERENCE

DIRECTOR'S OFFICE

Sample description as provided by customer Order No. **18136**
Mass/unit area 26 oz/yd² / g/m² Pile Fibre Content **100% RESISTAIN® SOLUTION DYED NYLON**
Construction Details **Tufted** Secondary Backing **Synthetic** Colour **Oatmeal**
Style **Multi 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 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 **July 2011** Test Date **29/7/2011**

ASSEMBLY SYSTEM: OVER UNDERLAY (Details Below).

The UNDERLAY used was AIRSTEP PRIME.

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 **1.9** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **1.9** kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	1.9	2.4	2.3	2.2
Smoke Development Rate (%.min)	451	279	260	330

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 2.2 kW/m²

MEAN SMOKE DEVELOPMENT RATE 330 percent-minutes

OBSERVATIONS **The samples shrunk away from the heat source ignited then burnt**

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 29/7/2011

Measurement Science & Technology No. 15393
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PAGE 1 of 2

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.

1004 04 09

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	224	225	251	299	349	367	415	478	657	1218	2323	1839	2463	2908	/			
2	220	221	264	300	342	384	465	/										
3	183	184	217	269	301	365	424	804	/									

TESTS

Specimen	SMOKE PRODUCTION: Maximum Light Attenuation (%)	SMOKE PRODUCTION: Smoke Development Rate (%.min)	BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment	BURNING CHARACTERISTICS: Time To Burn Out (s)
Initial Test: **Width**	**73**	**288**	**682**	**2,953**
Specimen Tests: **Length**				
1	75	451	682	3,463
2	75	279	605	850
3	72	260	613	993
Mean	74	330	633	1,769

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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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