MS Sue Schultz
m/s Beaulieu of Australia
64 Lahrs Rd, Ormeau Q/ld 4208

TEST REPORT No. 115099

LABORATORY REF: P115099

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: DOUBLE BOND (DOUBLE STICK) (Details Below).

The underlay used was SENSI SLAB it was adhered to the substrate using ROBERTS 656 adhesive. The floor covering was adhered to the underlay using ROBERS 95 adhesive.

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 **1.8** kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	1.8	2.5	2.3	2.2
Smoke Development Rate (%.min)	410	398	359	389

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 389 percent-minutes

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

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 29/7/2011

Measurement Science & Technology No. 15393
This document is issued in accordance with NATA's accreditation requirements.

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	202	203	257	279	309	354	411	505	840	1345	1828	2362	3023	3,582				
2	197	198	261	277	302	327	359	441	669	1134	1460	1926			/			
3	183	184	269	288	319	339	377	483	792	1259	1530	2,541						

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**	**65**	**352**	**680**	**3,152**
Specimen Tests: **Width**				
1	73	410	690	4,129
2	81	398	591	3,222
3	84	359	614	3,184
Mean	79	389	631	3,511

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 29/7/2011

Measurement Science
& Technology No. 15393
This document is issued in accordance with NATA's accreditation requirements.

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.
2004 04 09 24655 30 July 2011