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

TEST REPORT No. 114579

LABORATORY REF: P114579

CUSTOMER REFERENCE

LIBERATION

Sample description as provided by customer Order No. **17330**
Mass/unit area **24** oz/yd² / g/m² Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**
Construction Details **Tufted** Secondary Backing **Synthetic** Colour **TILK**
Style **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 **Febuary 2011** Test Date **24/2/2011**

ASSEMBLY SYSTEM: OVER UNDERLAY (Details Below).

The UNDERLAY used was BRIDGESTONE "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 **5.5** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **5.3** kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	5.3	5.2	5.2	5.2
Smoke Development Rate (%.min)	319	301	339	320

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 5.2 kW/m²

MEAN SMOKE DEVELOPMENT RATE 320 percent-minutes

OBSERVATIONS **The samples shrunk away from the heat source and ignited and burnt a relatively short distance**

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 24/2/2011

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.

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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	168	169	192	282	303	435	583	717	/									
2	171	172	220	306	458	463	538	635	/									
3	207	208	224	269	319	506	647	693	/									

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**	**45**	**255**	**375**	**1,731**
Specimen Tests: **Width**				
1	53	319	385	1,186
2	58	301	390	999
3	56	339	390	1,127
Mean	56	320	388	1,104

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M. B. Webb
Technical Manager

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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.
2004 04 09 8678 25 February 2011

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