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

TEST REPORT No. 093700

LABORATORY REF: P093700

CUSTOMER REFERENCE

TACTICS

Sample description as provided by customer Order No. **15430**

Mass/unit area **28** oz/yd² **950** g/m² Pile Fibre Content **100% DYCLON SOLUTION DYED POLYPROPYLENE**

Construction Details **Tufted** Secondary Backing **Synthetic** Colour **Sandy Beach**

Style **LOOP** Pile Height **4.5** 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 **10/11/2009** Test Date **20/11/2009**

ASSEMBLY SYSTEM: OVER UNDERLAY (Details Below).

The UNDERLAY used was BRIDGESTONE STANDARD BLACK RUBBER.

Substrate : Non-combustible
Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.
Sample Cleaned as Specified in ISO 11379.1997

Initial Test Specimen 1 Length Direction Critical Radiant Flux **1.0** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **1.0** kW/m²
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m²)	1.0	1.0	1.0	1.0
Smoke Development Rate (%.min)	796	713	687	732

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 1.0 kW/m²

MEAN SMOKE DEVELOPMENT RATE 732 %.min

OBSERVATIONS **All the samples ran ouside the test range of the rig EXTINGUISHMENT DID NOT OCCUR**

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 20/11/2009

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

APL Australia Pty Ltd
5 Carinish Rd, Oakleigh South
Victoria 3167 Australia

Telephone: 03 9543 1618
Facsimile: 03 9562 1818
Mobile: 0411 039 088

Email: apl@aplaustralia.com.au
Web: www.aplaustralia.com.au
ABN 69 468 849 319

TEST REPORT No. 93700
LABORATORY REF: P09370

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

Pyrometer temperature
On calibration 576.6˚C
Start of test run 576.3
During test run 577.8

Chamber temperature
On calibration 99.2˚C
Start of test run 98.9
During test run 99.9

Clause 7.2.2 AS/ISO 9239 The pyrometer should be ± 5° of calibration temperature.
The Chamber temperature should be ±10° of calibration temperature
The Holding Tension on Specimen Frame was 2 Nm

TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS

FLUX CALIBRATION: FLX08001

Specimen	50	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860
1	146	148	155	177	198	217	248	286	296	324	376	549	633	702	877	1020	1234	1648
2	146	147	159	193	215	244	261	279	305	398	449	614	738	1253	1721	1931	2338	3062
3	149	151	162	189	213	249	264	294	328	408	453	609	642	905	1649	1894	2271	2951

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)	BURNING CHARACTERISTICS: Critical Heat Flux at 30min (kW/m²)*
Initial Test: **Width**	88	719	863	2,953	1.4*
Specimen Tests: **Length**					
1	87	796	865	1,759	(n/a)*
2	82	713	860	3,066	1.4*
3	81	687	865	2,841	1.4*
Mean	83	732	863	2,555	1.4*

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PAGE 2 of 2
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.
* Critical Heat Flux at 30min has no relevance under the Building Code of Australia which demands Heat Flux measurement at Flame Out/Extinguishment (BCA General Provisions A1.1).
2004 04 09 37468 19 November 2009

APL Australia Pty Ltd
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Victoria 3167 Australia
Telephone: 03 9543 1618
Facsimile: 03 9562 1818
Mobile: 0411 039 088
Email: apl@aplaustralia.com.au
Web: www.aplaustralia.com.au
ABN 69 468 849 319