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

TEST REPORT No. 125512

LABORATORY REF: P125512

CUSTOMER REFERENCE

TUSCAN SUN

Sample description as provided by customer Order No. **285395**

Mass/unit area **30** oz/yd² Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**

Construction Details **Tufted** Secondary Backing **Synthetic** Colour **Cream**

Style **Cut Pile** 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 **Feb 2012** Test Date **11 Jun 2012**

ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP STEPSMART

The UNDERLAY used was AIRSTEP STEPSMART.

Substrate: Non-Combustible
Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.
The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux 2.3 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 2.2 kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	2.2	2.5	2.1	2.3
Smoke Development Rate (%.min)	311	315	352	326

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 2.3 kW/m²

MEAN SMOKE DEVELOPMENT RATE 326 percent-minutes

OBSERVATIONS: **The samples shrunk away from the heat source, ignited and burnt.**

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 11 Jun 2012

Measurement Science & Technology No. 15393
Accredited for compliance with ISO/IEC 17025.

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

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	170	173	224	247	287	331	363	408	476	657	995	1439	1963	/				
2	183	185	211	252	281	301	359	392	467	662	800	1305	/					
3	195	198	295	315	344	364	380	422	491	675	961	1403	1821	/				

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: **Length**	71	309	623	2,109
Specimen Tests: **Width**				
1	69	311	630	2,268
2	69	315	590	2,459
3	70	352	650	2,267
Mean	69	326	623	2,331

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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 20995 5 April 2012

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

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Mobile: 0411 039 088

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ABN 69 468 849 319