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

TEST REPORT No. 000974

LABORATORY REF: **P06O974**

CUSTOMER REFERENCE

TUSCAN SUN

Sample description as provided by customer Order No. **10138**

Mass/unit area **30** oz/yd² g/m² Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**

Construction Details **Tufted** Secondary Backing **Jute** Colour **Fawn**

Style Pile Height **9.0** 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 results 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 **November 2006.** Test Date **13/12/2006.**

ASSEMBLY SYSTEM OVER UNDERLAY details below.

The UNDERLAY used was DUNLOP EXCELLAY.

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 1.4 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 1.6 kW/m²
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m²)	1.4	1.5	1.5	1.5
Smoke Development Rate (%.min)	327	300	266	298

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.

MEAN CRITICAL RADIANT FLUX 1.5 kW/m²

MEAN SMOKE DEVELOPMENT RATE 298 %.min

OBSERVATIONS **The samples melted away from the heat source then ignited**

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

Authorised Signatory **M. B. Webb**
Date **13/12/2006.**

NATA Reg. No. 15393
Heat and temperature measurement.

PAGE 1 of 2
Page 2 only shows the time required in seconds for the flame front to reach each time marker, the total test time and the CHF value at 30 minutes (if applicable).
The laboratory allows the use of this page of the report without the use of page 2.

1001 01 06

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. 974
LABORATORY REF: P06O974

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	528.7°C
Start of test run	529.3
End of test run	530.1

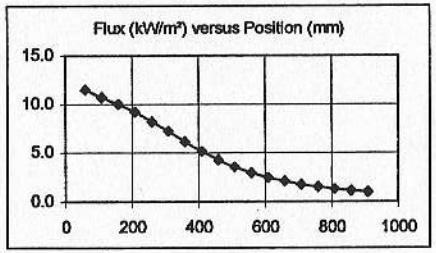
Chamber temperature	
On calibration	91.0°C
Start of test run	89.2
End of test run	88.9

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 1 Nm

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	153	176	252	312	314	395	420	544	700	1050	1328	1879	2357	3089	3702	4557	/	
2	152	190	263	323	351	401	456	622	750	1207	1549	1862	2409	3136	3580	4869	/	
3	149	190	265	319	387	427	509	681	935	1375	1763	2366	2842	3508	4200	/		

FLUX CALIBRATION: FLX06003



TESTS — **SMOKE PRODUCTION** — **BURNING CHARACTERISTICS**

Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length at Flame Out (mm)	Time To Burn Out (s)	Critical Heat Flux at 30min (kW/m²)
Initial Test: **Width**	53	287	745	4,233	2.9
Specimen Tests: **Length**					
1	56	327	780	5,574	3.0
2	54	300	760	4,873	2.4
3	46	266	750	5,425	3.5
Mean	52	298	763	5,291	3.0

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

NATA Reg. No. 15393
Heat and temperature measurement.

Authorised Signatory
M B Webb
Date **13/12/2006.**

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.

2001 01 06 63264 06120098-0097-0099-0100

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