

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

TEST REPORT No. 125508

LABORATORY REF: P125508

CUSTOMER REFERENCE

HIGH TECH

Sample description as provided by customer

Mass/unit area **680 g/m²**

Construction Details **Tufted** Secondary Backing **Synthetic**

Style **LOOP**

Order No. **Sue**

Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**

Colour **Desert Pride**

Pile Height **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 **Feb 2012**

Test Date **13 Mar 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 **2.2 kW/m²**

Specimen 1 Width Direction Critical Radiant Flux **2.1kW/m²**

Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	2.2	1.6	1.5	1.8
Smoke Development Rate (%.min)	303	289	313	302

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 1.8 kW/m²

MEAN SMOKE DEVELOPMENT RATE 302 percent-minutes

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



M. B. Webb
Technical Manager

DATE: 13 Mar 2012

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Technology No. 15393
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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	182	183	189	213	248	302	315	347	395	473	582	831	1209					
2	156	157	200	224	244	292	307	331	381	480	665	1069	1470	2001	2392	/		
3	159	160	193	213	241	272	287	311	366	422	658	980	1357	1826	2283		/	

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	77	258	630	1,891
Specimen Tests: Width				
1	71	303	645	1,677
2	76	289	733	2,692
3	81	313	757	2,896
Mean	76	302	712	2,422



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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.

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