

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

TEST REPORT No. 137598

LABORATORY REF: P137598

CUSTOMER REFERENCE

BARITONE

Sample description as provided by customer

Mass/unit area **28 oz/yd²**

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

Style **Loop Pile**

Order No. **21595**

Pile Fibre Content **100% RESISTAIN NYLON**

Colour **Blue/Gold**

Pile Height **6.5 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.

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. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **August 2013**

Test Date **09 Sep 2013**

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 **1.5 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **1.5 kW/m²**
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	1.5	1.8	1.8	1.7
Smoke Development Rate (%.min)	311	229	259	266

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 1.7 kW/m²

MEAN SMOKE DEVELOPMENT RATE 266 percent-minutes

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



M. B. Webb
Technical Manager

DATE: 09 Sep 2013

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

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	145	147	167	174	187	207	225	276	319	357	396	451	594	1293	1905			
2	138	138	164	177	183	198	225	245	277	299	484	698	1164	1953				
3	146	148	179	201	241	284	329	406	551	693	1053	1437	1713	1985				

TESTS

BURNING CHARACTERISTICS

SMOKE PRODUCTION

Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)
Initial Test: Width	750	2,096	70	249
Specimen Tests: Length				
1	751	2,158	67	311
2	690	2,271	73	229
3	691	2,195	72	259
Mean	711	2,208	71	266

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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