

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

TEST REPORT No. 137597
 LABORATORY REF: P137597

CUSTOMER REFERENCE
BARITONE

Sample description as provided by customer
 Mass/unit area **28 oz/yd²**
 Construction Details **Tufted** Secondary Backing
 Style **Loop Pile**

Order No. 21595
 Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**
Synthetic 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 **02 Sep 2013**

ASSEMBLY SYSTEM: DIRECT STICK Roberts 95.

The floor covering was directly stuck to the substrate using **Roberts 95** adhesive.

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 **5.6 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **5.6 kW/m²**
 Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	5.6	4.9	5.5	5.3
Smoke Development Rate (%.min)	94	100	106	100

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 5.3 kW/m²

MEAN SMOKE DEVELOPMENT RATE 100 percent-minutes

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



M. B. Webb
 Technical Manager
 DATE: 02 Sep 2013
 Measurement Science & Technology No. 15393
 Accredited for compliance with ISO/IEC 17025.



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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	166	168	224	283	336	372	711	1162	/									
2	178	180	278	376	460	542	965	1339	2011	/								
3	177	179	238	359	463	509	839	1258										

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	372	1,509	27	98
Specimen Tests: Length				
1	370	1,544	27	94
2	410	2,106	25	100
3	386	1,498	26	102
Mean	389	1,716	26	99



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**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

DATE: 02 Sep 2013

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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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