

m/s Cavalier Bremworth Ltd
 PO BOX 97040 Manuka City 2241 Auckland NEW ZEALAND
 Attn Mr Terence Akroyd

TEST REPORT No148438.

LABORATORY REF: P148438

114

CUSTOMER REFERENCE

2200 TOUCHSTONE

Sample description as provided by customer

Mass/unit area **38 oz/yd²**
 Construction Details **Tufted** Secondary Backing **Jute**
 Style **Cut Pile**

Order No. **TA**

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

Colour **Fawn**

Pile Height **6.4 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 C1.10 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 **Oct 2014**

Test Date **15 Oct 2014**

ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP BLACK RUBBER.

The UNDERLAY used was AIRSTEP BLACK RUBBER.

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 **6.8 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **6.4 kW/m²**
 Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	6.4	6.0	6.0	6.1
Smoke Development Rate (%.min)	261	244	259	255

The values quoted below are as required by Specification C1.10 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 **6.1 kW/m²**

MEAN SMOKE DEVELOPMENT RATE **255 percent-minutes**


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



M. B. Webb
 Technical Manager

DATE: 15/10/2014

Performance & Approvals
 Testing No. 15393
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Clause 9 of AS/ISO 9239 Part 1

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	230	232	290	381	510	586	644	/										
2	272	274	328	373	395	472	578	/										
3	231	233	336	367	405	458	555	/										

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: Length	310	890	47	238
Specimen Tests: Width				
1	330	1,065	54	261
2	350	959	53	244
3	350	880	58	259
Mean	343	968	55	255



NATA

ACCREDITED FOR
**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

DATE: 15 Oct 2014

Performance and Approvals
Testing No. 15393
**Accredited for compliance
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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 Clause 9 of AS/ISO 9239 Part 1

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