

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

TEST REPORT No. 169845B  
 LABORATORY REF: P169845B

CUSTOMER REFERENCE  
**FLORISSANT 11 5296**

Sample description as provided by customer  
 Mass/unit area **48 oz/yd<sup>2</sup>**  
 Construction Details **Tufted** Secondary Backing **Jute**  
 Style **Cut Pile**

Order No. **TA**  
 Pile Fibre Content **100% SOLUTION DYED NYLON**  
 Colour **Brown**  
 Pile Height **8.6 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 **Apr 2016**

Test Date **06 May 2016**

**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 **3.5 kW/m<sup>2</sup>**  
 Specimen 1 Width Direction Critical Radiant Flux **3.2 kW/m<sup>2</sup>**  
 Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>3.2</b>	<b>3.0</b>	<b>5.6</b>	<b>3.9</b>
Smoke Development Rate (%.min)	<b>264</b>	<b>278</b>	<b>233</b>	<b>258</b>

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 3.9 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 258 percent-minutes**


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



**M. B. Webb**  
 Technical Manager

DATE: 06 May 2016

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	283	284	351	396	428	494	534	582	879	1262	2051	/						
2	268	270	309	373	459	499	549	587	797	1273	2152	/						
3	248	249	364	383	430	527	561	697	/									

**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: <b>Length</b>	490	2,153	52	252
Specimen Tests: <b>Width</b>				
1	510	2,235	53	264
2	530	2,411	55	278
3	370	1,061	51	233
<b>Mean</b>	470	1,902	53	258



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**



**M. B. Webb**  
Technical Manager

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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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