

CUSTOMER REFERENCE  
**TUFTWEAVE HEAVY COMMERCIAL**

Sample description as provided by customer

Mass/unit area **1200 g/m<sup>2</sup>**  
 Construction Details **Tufted** Secondary Backing **Synthetic**  
 Style **Cut Pile**  
**The Samples Secondary Backing was FUSION BAC**

Order No. **PS**  
 Pile Fibre Content **100% SOLUTION DYED NYLON**  
 Colour **Fawn Shades**  
 Pile Height / 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 **10 Jun 2016**

**ASSEMBLY SYSTEM: DIRECT STICK** (Details Below).

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 **7.0 kW/m<sup>2</sup>**  
 Specimen 1 Width Direction Critical Radiant Flux **4.7 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>4.7</b>	<b>7.9</b>	<b>7.0</b>	<b>6.5</b>
Smoke Development Rate (%.min)	<b>190</b>	<b>135</b>	<b>222</b>	<b>182</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 6.5 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 182 percent-minutes**


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



**M. B. Webb**  
 Technical Manager

DATE: 10 Jun 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	383	384	507	706	866	1068	1373	1798	2595	/								
2	310	311	484	619	730	1292	/											
3	315	316	587	773	887	1076	/											

**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>	300	1,901	23	105
Specimen Tests: <b>Width</b>				
1	420	2,822	25	190
2	260	1,361	29	135
3	300	1,612	27	222
<b>Mean</b>	327	1,932	27	182



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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