

CUSTOMER REFERENCE

## SENSATIONS 28oz/yd<sup>2</sup>

Sample description as provided by customer

Mass/unit area **28 oz/yd<sup>2</sup>**

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

Style **Multi Level Loop**

Order No. **KG**

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

Colour **Brown 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 **Feb 2015**

Test Date **28 Feb 2015**

### 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 **4.7 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **4.1 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>4.1</b>	<b>3.9</b>	<b>4.1</b>	<b>4.0</b>
Smoke Development Rate (%.min)	<b>252</b>	<b>204</b>	<b>177</b>	<b>211</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 **4.0 kW/m<sup>2</sup>**

### MEAN SMOKE DEVELOPMENT RATE **211 percent-minutes**

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

	<b>M. B. Webb</b> Technical Manager	
	DATE: 28 Feb 2015	
	Performance & Approvals Testing No. 15393	
	Accredited for compliance with ISO/IEC 17025.	

PAGE 1 of 2

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	315	317	438	530	746	891	1059	1208	1735	/								
2	268	270	443	630	694	781	988	1130	1422	1768	/							
3	264	265	329	386	590	1096	1124	1273	1382	/								

**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>	420	1,921	24	180
Specimen Tests: <b>Width</b>				
1	450	2,252	28	252
2	460	1,769	25	204
3	450	2,218	18	177
<b>Mean</b>	453	2,080	24	211



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**

**M. B. Webb**  
Technical Manager

DATE: 28 Feb 2015

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Testing No. 15393  
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with ISO/IEC 17025.**

*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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