

CUSTOMER REFERENCE

## SENSATIONS FR 28 oz/yd

Sample description as provided by customer

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

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

Style **Loop Pile**

Order No. **KG**

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

Colour **Charcoal /Grey**

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 **May 2015**

Test Date **09 May 2015**

### 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 **4.1 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **3.5 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>3.5</b>	<b>3.3</b>	<b>4.1</b>	<b>3.6</b>
Smoke Development Rate (%.min)	<b>322</b>	<b>319</b>	<b>300</b>	<b>314</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 3.6 kW/m<sup>2</sup>

### MEAN SMOKE DEVELOPMENT RATE 314 percent-minutes


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



**M. B. Webb**  
Technical Manager

DATE: 09 May 2015

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	248	249	275	337	502	559	585	771	942	1455	/							
2	271	273	270	335	432	484	573	696	962	1392	/							
3	303	305	352	383	409	468	525	668	967	/								

**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>	450	1,389	55	294
Specimen Tests: <b>Width</b>				
1	490	1,860	54	322
2	500	1,806	53	319
3	450	1,849	55	300
<b>Mean</b>	480	1,838	54	314



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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