

CUSTOMER REFERENCE
SENSATIONS FR 28 oz/yd²

Sample description as provided by customer
Mass/unit area **28 oz/yd²**
Construction Details **Tufted** Secondary Backing **Synthetic**
Style **Loop Pile**

Order No. **KG**
Pile Fibre Content **100% SOLUTION DYED NYLON**
Colour **Various**
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 **April 2015**

Test Date **20 May 2015**

ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP STEPLIGHT.

The UNDERLAY used was AIRSTEP STEPLIGHT.

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 **3.0 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **2.9 kW/m²**
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	(none) #3	Mean
Critical Radiant Flux (kW/m ²)	2.9	2.9	3.1	3.0
Smoke Development Rate (%.min)	333	288	296	306

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 3.0 kW/m²

MEAN SMOKE DEVELOPMENT RATE 306 percent-minutes


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



M. B. Webb
Technical Manager

DATE: 20 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	292	293	297	331	389	419	548	627	802	1104	1731	/						
2	258	260	322	351	381	425	490	671	922	1384	1743	/						
3	275	277	331	389	431	455	526	657	942	1681	2058							

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	530	1,998	59	341
Specimen Tests: Width				
1	535	2,131	58	333
2	540	2,240	56	288
3	525	2,392	57	296
Mean	533	2,254	57	306



ACCREDITED FOR
**TECHNICAL
COMPETENCE**

M. B. Webb
Technical Manager

DATE: 20 May 2015

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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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