

CUSTOMER REFERENCE
SENSATIONS FR 28oz/yd

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

Order No. **KG**
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 **Oct 2015**

Test Date **7 Nov 2015**

ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP STEP 160.

The UNDERLAY used was **AIRSTEP STEP 160.**

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 **2.4 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **2.5 kW/m²**
Full tests carried out in the **Length** Direction



SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	2.4	1.9	2.4	2.2
Smoke Development Rate (%.min)	460	486	437	461

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 2.2 kW/m²

MEAN SMOKE DEVELOPMENT RATE 461 percent-minutes

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

 ACCREDITED FOR TECHNICAL COMPETENCE	M. B. Webb Technical Manager	
	DATE: 7 Nov 2015	
	Performance & Approvals Testing No. 15393	
	Accredited for compliance with ISO/IEC 17025.	

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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	234	236	291	319	361	398	455	501	590	645	877	1377			/			
2	300	301	342	371	398	412	429	439	463	557	649	963	1270	1931	/			
3	255	257	279	344	381	425	453	487	537	579	710	1135	/					

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: Width		580	1,692	79	483
Specimen Tests: Length					
1		590	1,752	77	460
2		670	2,224	81	486
3		590	1,825	77	437
Mean		617	1,934	78	461



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COMPETENCE**



M. B. Webb
Technical Manager

DATE: 7Nov 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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