

**m/s EC Group** 4-9 Delaine Ave Edwardstown S A 5069 Attn Mr Ken Grace

### TEST REPORT No. 159281

LABORATORY REF: P159281

### CUSTOMER REFERENCE SENSATIONS FR 28oz/yd

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 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 Specimen 1 Width Direction Full tests carried out in the Critical Radiant Flux 2.4 kW/m<sup>2</sup> Critical Radiant Flux 2.5 kW/m<sup>2</sup> Length Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m²)	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/m<sup>2</sup>

## MEAN SMOKE DEVELOPMENT RATE 461 percent-minutes

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



**M. B. Webb** Technical Manager

DATE: 7 Nov 2015



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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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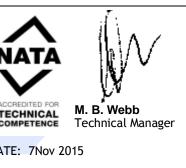


## TEST REPORT No. 159281THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THEPAGE 2 of 2LABORATORY REF: P159281REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER Clause 9 of AS/ISO 9239 Part 1PAGE 2 of 2

#### 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			1			
2	300	301	342	371	398	412	429	439	463	557	649	963	1270	1931	1			
3	255	257	279	344	381	425	453	487	537	579	710	1135	/					

TESTS	BURNING CHARAC	CTERISTICS	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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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 12004 04 09242978 November 2015

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