

CUSTOMER REFERENCE  
**AVENUE 25 oz SDN**

Sample description as provided by customer  
Mass/unit area **25 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 **Cream**  
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 **Mar 2016**

Test Date **16 Mar 2016**

## ASSEMBLY SYSTEM: OVER UNDERLAY DUNLOP EXCELLAY .

The UNDERLAY used was **DUNLOP EXCELLAY**.

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 **2.3 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **2.3kW/m<sup>2</sup>**  
Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>2.3</b>	<b>1.9</b>	<b>2.4</b>	<b>2.2</b>
Smoke Development Rate (%.min)	<b>110</b>	<b>199</b>	<b>179</b>	<b>163</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 2.2 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 163 percent-minutes**


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



**M. B. Webb**  
Technical Manager

DATE: 16 Mar 2016

Performance & Approvals  
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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	161	162	171	179	226	259	287	315	488	544	651	1170	1616		/			
2	226	228	263	290	309	326	339	354	426	476	721	1121	1616	2486	/			
3	203	205	228	256	293	337	402	496	593	794	1213	1862	/					

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>Width</b>		615	2,721	46	115
Specimen Tests: <b>Length</b>					
1		616	2,076	47	110
2		660	2,489	48	199
3		600	2,327	41	179
Mean		625	2,631	45	163



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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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