

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 **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 **28 Sep 2015**

Test Date **30 Sep 2015**

## ASSEMBLY SYSTEM: OVER UNDERLAY **DUNLOP GOVERNMENT RED.**

The UNDERLAY used was **DUNLOP GOVERNMENT RED.**

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 **2.6 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **2.6 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>2.6</b>	<b>2.1</b>	<b>2.2</b>	<b>2.3</b>
Smoke Development Rate (%.min)	<b>148</b>	<b>176</b>	<b>179</b>	<b>168</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 **2.3 kW/m<sup>2</sup>**

### MEAN SMOKE DEVELOPMENT RATE **168 percent-minutes**

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

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	DATE: 30 Sep 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	187	188	221	299	341	389	403	474	642	868	1537	2109	/					
2	245	246	258	284	352	459	523	689	881	1236	1421	2044	2526	/				
3	202	204	256	302	348	485	569	691	916	1304	1627	1942	2386					

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>		565	2,093	49	159
Specimen Tests: <b>Width</b>					
1		565	2,124	50	148
2		630	2,670	41	176
3		620	2,599	50	179
<b>Mean</b>		605	2,464	47	168



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**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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