

m/s EC. GROUP

4-9 Delaine Ave Edwardstown S A 5069
Attn: Mr Ken Grace

TEST REPORT No. 161488

LABORATORY REF: P161488

CUSTOMER REFERENCE

LARGE LOOP PILE SDN CARPET 30oz

Sample description as provided by customer

Pile weight mass/unit area **30 oz/yd²**

Construction Details **Tufted** Secondary Backing **Synthetic**

Style **Loop Pile**

Order No. **KG**

Pile Fibre Content **100% SOLUTION DYED NYLON**

Colour **Brown**

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 **Aug 2016**

Test Date **07 Aug 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 **2.7 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **1.9 kW/m²**
Full tests carried out in the **Width** Direction



SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	1.9	2.2	2.8	2.3
Smoke Development Rate (%.min)	293	351	291	312

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/m²

MEAN SMOKE DEVELOPMENT RATE 312 percent-minutes

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

 ACCREDITED FOR TECHNICAL COMPETENCE	M. B. Webb Technical Manager	
	DATE: 07 Aug 2016	
	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	194	196	250	268	298	321	379	437	513	667	779	1381	1900	2406	/			
2	182	183	186	209	241	302	338	309	408	568	709	1239	2052	/				
3	199	201	249	301	389	445	529	701	882	1184	1452							

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		570	2,529	62	283
Specimen Tests: Width					
1		660	2,768	64	293
2		620	2,483	62	351
3		556	1,962	64	291
Mean		578	2,404	63	312



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COMPETENCE**



M. B. Webb
Technical Manager

DATE: 07 Aug 2016

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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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