

m/s EC. GROUP
4-9 Delaine Ave Edwardstown S A 5069
Attn: Mr Ken Grace

TEST REPORT No. 171956

LABORATORY REF: P171956

CUSTOMER REFERENCE

RESIDENCE

Sample description as provided by customer
Pile weight mass/unit area **36 oz/yd² 1200 g/m²**
Construction Details **Tufted** Secondary Backing **Synthetic**
Style **Loop Pile**

Order No. **KG**
Pile Fibre Content **100% WOOL**
Colour **Grey**
Pile Height **7.0 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 2017**

Test Date **14 Mar 2017**

ASSEMBLY SYSTEM: OVER UNDERLAY DUNLOP SUPERGREEN.

The UNDERLAY used was **DUNLOP SUPERGREEN**.

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 **7.2 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **5.9 kW/m²**
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	5.9	7.8	6.8	6.8
Smoke Development Rate (%.min)	54	44	51	50

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 6.8 kW/m²

MEAN SMOKE DEVELOPMENT RATE 50 percent-minutes

OBSERVATIONS: **The samples singed, ignited and burnt a short distance.**

 ACCREDITED FOR TECHNICAL COMPETENCE	M. B. Webb Technical Manager	
	DATE: 14 Mar 2017	
	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	126	127	136	135	158	249	262	293	/									
2	132	133	147	152	158	182	/											
3	125	127	130	134	144	184	253	/										

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		303	732	28	49
Specimen Tests: Width					
1		360	729	27	54
2		280	734	23	44
3		320	726	25	51
Mean		320	730	25	50



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**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

DATE: 14 Mar 2017

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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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