

CUSTOMER REFERENCE
RESIDENCE

Sample description as provided by customer
Mass/unit area **36 oz/yd²**
Construction Details **Tufted** Secondary Backing **Synthetic**
Style **Loop Pile**

Order No. **KG**
Pile Fibre Content **100% WOOL**
Colour **Charcoal**
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 2014**

Test Date **23 Oct 2014**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **Roberts 95** adhesive.

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 **7.8 kW/m²**
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	7.8	8.3	8.0	8.0
Smoke Development Rate (%.min)	13	18	15	15

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 8.0 kW/m²

MEAN SMOKE DEVELOPMENT RATE 15 percent-minutes

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

 ACCREDITED FOR TECHNICAL COMPETENCE	M. B. Webb Technical Manager	
	DATE: 23/10/2014	
	Performance & Approvals Testing No. 15393	
	Accredited for compliance with ISO/IEC 17025.	

PAGE 1 of 2

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	132	140	151	170	251	/										
2	126	128	132	139	149	225	343	/										
3	128	130	134	141	152	168	309	/										

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	290	725	15	10
Specimen Tests: Width				
1	310	731	14	13
2	310	724	17	18
3	310	723	14	15
Mean	310	726	15	15



ACCREDITED FOR
**TECHNICAL
 COMPETENCE**

M. B. Webb
 Technical Manager

DATE: 23 Oct 2014

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 Testing No. 15393
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 with ISO/IEC 17025.**

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

2004 04 09 3501 25 October 2014