

CUSTOMER REFERENCE
GREAT SANDY

Sample description as provided by customer
Pile weight mass/unit area **34 oz/yd²**
Construction Details **Tufted** Secondary Backing **Synthetic**
Style **Multi Level Loop**

Order No. **KG**
Pile Fibre Content **100% WOOL**
Colour **Beige 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 **Jan 2017**

Test Date **14 Jan 2017**

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 **6.6 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **6.2 kW/m²**
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	6.2	6.4	6.6	6.4
Smoke Development Rate (%.min)	26	23	26	25

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 6.4 kW/m²

MEAN SMOKE DEVELOPMENT RATE 25 percent-minutes


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



M. B. Webb
Technical Manager

DATE: 14 Jan 2017

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	126	127	131	142	148	175	228	/										
2	127	128	135	143	151	168	222	/										
3	125	126	137	147	165	190	214	/										

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		330	723	17	26
Specimen Tests: Width					
1		350	723	19	26
2		340	726	19	23
3		330	738	20	26
Mean		340	729	19	25



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**TECHNICAL
COMPETENCE**



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The laboratory does not allow the use of this page of the report without the use of page 1.
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