

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 **20 Jan 2017**

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 **3.5 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **3.1 kW/m²**
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	3.1	3.4	3.6	3.4
Smoke Development Rate (%.min)	195	167	209	190

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 3.4 kW/m²

MEAN SMOKE DEVELOPMENT RATE 190 percent-minutes


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



M. B. Webb
Technical Manager

DATE: 20 Jan 2017

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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	129	130	140	156	164	217	246	261	284	333	412	/						
2	132	133	140	152	170	179	221	239	266	367	501	/						
3	129	130	138	150	186	220	251	285	349	402								

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		503	802	70	198
Specimen Tests: Width					
1		530	831	73	195
2		510	754	71	167
3		495	741	70	209
Mean		512	775	71	190



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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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