

CUSTOMER REFERENCE
GLACIER 24oz/yd² SDN

Sample description as provided by customer

Mass/unit area **24 oz/yd²**
Construction Details **Tufted** Secondary Backing **Synthetic**
Style **Multi Level Loop**

Order No. **KG**
Pile Fibre Content **100% SOLUTION DYED NYLON**
Colour **Blue/Black/Grey**
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 **Apr 2014**

Test Date **17 Apr 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 **7.4 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **7.4 kW/m²**
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	7.4	4.9	6.9	6.4
Smoke Development Rate (%.min)	165	138	123	142

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 142 percent-minutes

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



M. B. Webb
Technical Manager

DATE: 17 Apr 2014

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	281	283	427	815	1296	1515	/											
2	187	189	428	793	974	1622	1829	1983	2170	/								
3	279	281	412	644	644	1283	/											

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: Width	279	1,959	17	175
Specimen Tests: Length				
1	280	2,052	18	165
2	410	2,175	21	138
3	305	1,938	12	123
Mean	332	2,055	17	126



ACCREDITED FOR
**TECHNICAL
 COMPETENCE**

M. B. Webb
 Technical Manager

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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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