

CUSTOMER REFERENCE

VERVE

Sample description as provided by customer

Mass/unit area **646 g/m²**
 Construction Details **Tufted** Secondary Backing **Tile Backing**
 Style **Loop Pile**
The Samples Tested Were Modular Carpet

Order No. **PO 105156**

Pile Fibre Content **100% SOLUTION DYED NYLON**
 Colour **Charcoal**
 Pile Height **Total Ht 7 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 **07 Aug 2014**

Test Date **07 Aug 2014**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **Surface Contact Adhesive as recommended by m/s Signature**.

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 **7.9 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **5.7 kW/m²**
 Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	5.7	5.3	6.7	5.9
Smoke Development Rate (%.min)	191	190	94	158

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 5.9 kW/m²

MEAN SMOKE DEVELOPMENT RATE 158 percent-minutes


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



M. B. Webb
 Technical Manager

DATE: 7/8/2014

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	163	165	315	425	676	962	1440	1685	/									
2	235	237	346	540	785	1268	1642	1883	/									
3	251	253	480	626	892	1039	1260	/										

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	260	1,075	15	87
Specimen Tests: Width				
1	365	1,879	24	191
2	385	2,193	25	190
3	315	1,266	19	94
Mean	355	1,779	23	158



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**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

DATE: 07 Aug 2014

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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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