

CUSTOMER REFERENCE

AVIATOR

Sample description as provided by customer

Mass/unit area **630 g/m²**
 Construction Details **Tufted** Secondary Backing Modified Bitumen
 Style **Loop Pile**

Order No. **PS**
 Pile Fibre Content **100% SOLUTION DYED NYLON**
 Colour **Charcoal/Grey**
 Pile Height **2.5-5.5 mm**

The Samples Tested Were Modular Carpet with Modified Bitumen

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 **Jul 2014** Test Date **11 Jul 2014**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **Water Based Surface Contact** 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 **8.6 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **8.8 kW/m²**
 Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	8.6	5.8	6.0	6.8
Smoke Development Rate (%.min)	235	331	349	305

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 6.8 kW/m²

MEAN SMOKE DEVELOPMENT RATE 305 percent-minutes


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



M. B. Webb
 Technical Manager

DATE: 11/7/2014

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	253	255	414	566	686	/												
2	284	285	317	378	488	583	877	1014	/									
3	232	232	298	360	530	628	889	/										

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	220	817	48	179
Specimen Tests: Length				
1	230	914	44	235
2	360	1,110	53	331
3	350	1,105	59	349
Mean	313	1,043	52	305



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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