

CUSTOMER REFERENCE
CIRRUS

Sample description as provided by customer

Mass/unit area **640 g/m²**
 Construction Details **Tufted** Secondary Backing **Tile**
 Style **Multi Level Loop**
The Samples Tested Were Modular Carpet With GLASS REINFORCED MODIFIED BITUMEN BACKING

Order No. **PS**
 Pile Fibre Content **100% SOLUTION DYED NYLON**
 Colour **Nimbus**
 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 **Oct 2014** Test Date **31 Oct 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	8.3	8.6	8.5
Smoke Development Rate (%.min)	70	64	111	82

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 8.5 kW/m²

MEAN SMOKE DEVELOPMENT RATE 82 percent-minutes


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



M. B. Webb
 Technical Manager

DATE: 31/10/2014

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	248	250	378	538	587	/												
2	237	238	376	507	734	/												
3	207	208	422	569	624	/												

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	1,002	18	65
Specimen Tests: Length				
1	230	882	15	70
2	240	1,020	14	64
3	230	984	25	111
Mean	233	962	18	82



ACCREDITED FOR
**TECHNICAL
COMPETENCE**

M. B. Webb
Technical Manager

DATE: 31 Oct 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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