

CUSTOMER REFERENCE
COMMON THREAD B2 Backed

Sample description as provided by customer
 Mass/unit area **420 g/m²**
 Construction Details **Tufted** Secondary Backing **B2 Backing**
 Style **Loop Pile**
The Samples Tested Were Modular Carpet

Order No. **PO0027578**
 Pile Fibre Content **100% 6.6 NYLON**
 Colour **Charcoal / 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 2016** Test Date **15 Apr 2016**

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 **7.7 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **7.5 kW/m²**
 Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	7.5	7.6	7.6	7.6
Smoke Development Rate (%.min)	91	108	95	98

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 7.6 kW/m²

MEAN SMOKE DEVELOPMENT RATE 98 percent-minutes


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



M. B. Webb
 Technical Manager

DATE: 15 Apr 2016

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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	282	283	357	499	706	1093												
2	294	295	435	503	792	895	/											
3	205	206	407	528	720	/												

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	262	983	21	92
Specimen Tests: Width				
1	265	1,149	20	91
2	270	1,092	19	108
3	270	1,013	19	95
Mean	268	1,085	19	98



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**TECHNICAL
COMPETENCE**



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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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