

CUSTOMER REFERENCE

NORDIC STORIES TECTONIC B2 Backing

Sample description as provided by customer

Mass/unit area **641 g/m²**

Construction Details **Tufted Secondary Backing B2**

Style **Multi Level Loop**

The Samples Tested Were **Modular Carpet**

Order No. **PO0027574**

Pile Fibre Content **100% NYLON 6.6**

Colour **Charcoal**

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 **21 Apr 2016**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **Water Based Surface** 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 **5.4 kW/m²**
 Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	5.4	4.7	6.6	5.6
Smoke Development Rate (%.min)	209	239	159	202

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 5.6 kW/m²

MEAN SMOKE DEVELOPMENT RATE 202 percent-minutes


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



M. B. Webb
 Technical Manager

DATE: 21 Apr 2016

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	265	266	367	451	619	1002	1128	1229	/									
2	326	327	418	540	763	1009	1279	1483	1847	/								
3	316	318	394	502	639	1095	1802	/										

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		230	1,236	28	145
Specimen Tests: Width					
1		380	1,430	27	209
2		420	1,874	28	239
3		320	1,923	24	159
Mean		373	1,742	26	202



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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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