

CUSTOMER REFERENCE

NORDIC STORIES - HIDDEN PLAINS

Sample description as provided by customer

Mass/unit area **19 oz/yd²**

Construction Details **Tufted** Secondary Backing **Tile Backing**

Style **Loop Pile**

The Samples Tested Were Modular Carpet with PolyUrethane Foam Backing

Order No. **TN**

Pile Fibre Content **100% NYLON**

Colour **Various**

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 **May 2014**

Test Date **17 May 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 **5.6 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	4.9	3.8	4.7
Smoke Development Rate (%.min)	345	448	454	416

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 **4.7 kW/m²**

MEAN SMOKE DEVELOPMENT RATE **416 percent-minutes**


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



M. B. Webb
Technical Manager

DATE: 16/5/2014

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	161	162	202	250	293	323	414	454	/									
2	185	186	219	292	343	395	465	512	1069	/								
3	165	166	227	303	353	393	408	442	859	1406	/							

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	372	832	87	329
Specimen Tests: Width				
1	380	720	89	345
2	410	1,234	85	448
3	470	1,733	84	454
Mean	420	1,229	86	416



NATA

ACCREDITED FOR
**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

DATE: 17 May 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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