

CUSTOMER REFERENCE

MOHAWK Duracolor® PREMIUM NYLON LOOP 170z

Sample description as provided by customer

Mass/unit area **17 oz/yd² 576 g/m²**

Construction Details **Tufted** Secondary Backing Ecoflex ICT

Style **Textured Patterned Loop**

The Samples Tested Were Modular Carpet 24" x 24" With Ecoflex ICT Backing

Order No. **MH**

Pile Fibre Content **100% Duracolor® NYLON**

Colour **Blue Shades**

Pile Height **2.6 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 **Dec 2014**

Test Date **16 Jan 2015**

ASSEMBLY SYSTEM: DIRECT STICK ENPRESS PSA

The floor covering was directly stuck to the substrate using **ENPRESS PSA** 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 **7.6 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **8.3 kW/m²**
 Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	7.6	7.9	7.9	7.8
Smoke Development Rate (%.min)	207	198	187	197

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 7.8 kW/m²

MEAN SMOKE DEVELOPMENT RATE 197 percent-minutes


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



M. B. Webb
 Technical Manager

DATE: 16 Jan 2015

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	240	242	288	347	451	510	/											
2	219	220	351	396	537	592	/											
3	280	281	367	406	429	577	/											

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	240	729	52	179
Specimen Tests: Length				
1	270	779	59	207
2	260	743	61	198
3	260	728	54	187
Mean	263	750	58	197



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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