

CUSTOMER REFERENCE

MOHAWK DURACOLOR® 36 oz Textured Loop NXT

Sample description as provided by customer

Mass/unit area **36 oz/yd²**

Construction Details **Tufted** Secondary Backing **TILE Ecoflex NXT Backing**

Style **Textured Loop**

The Samples Tested Were Modular Carpet with Ecoflex NXT (Thermoplastic Polymer) Backing

Order No. **MW**

Pile Fibre Content **100% NYLON**

Colour **Stone 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 **Jan 2016**

Test Date **02 Feb 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 **5.2 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **6.2 kW/m²**
 Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	5.2	5.6	6.6	5.8
Smoke Development Rate (%.min)	280	282	239	267

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 5.8 kW/m²

MEAN SMOKE DEVELOPMENT RATE 267 percent-minutes


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



M. B. Webb
 Technical Manager

DATE: 02 Feb 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	252	253	362	485	561	697	1037	1178	/									
2	247	249	403	478	563	713	784	951	/									
3	307	309	382	406	455	600	1273	/										

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	340	1,524	43	181
Specimen Tests: Length				
1	390	1,467	43	280
2	370	1,264	44	282
3	320	1,700	41	239
Mean	360	1,477	43	267



ACCREDITED FOR
**TECHNICAL
 COMPETENCE**

M. B. Webb
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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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