

CUSTOMER REFERENCE

MOHAWK Duracolor® 34oz Textured Loop NXT

Sample description as provided by customer
 Mass/unit area **34 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 **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 **29 Jan 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 **6.7 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **8.3 kW/m²**
 Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	8.3	5.4	6.6	6.8
Smoke Development Rate (%.min)	149	167	206	174

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 6.8 kW/m²

MEAN SMOKE DEVELOPMENT RATE 174 percent-minutes

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

M. B. Webb
 Technical Manager

DATE: 29 Jan 2016

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	291	293	338	470	583	/												
2	215	216	375	477	532	583	883	1118	/									
3	226	228	325	391	425	648	806	/										

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	310	1,409	41	152
Specimen Tests: Width				
1	240	765	40	149
2	380	1,366	40	167
3	320	1,641	37	206
Mean	313	1,257	39	174




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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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