

CUSTOMER REFERENCE

## MOHAWK Duracolor® PREMIUM NYLON LOOP 22oz

Sample description as provided by customer

Mass/unit area **22 oz/yd<sup>2</sup> 746 g/m<sup>2</sup>**

Construction Details **Tufted** Secondary Backing **Ecoflex ICT**

Style **Textured Solid Loop**

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

Order No. **MH**

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

Colour **Red**

Pile Height **2.2 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 **8.1 kW/m<sup>2</sup>**  
 Specimen 1 Width Direction Critical Radiant Flux **7.6 kW/m<sup>2</sup>**  
 Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>7.6</b>	<b>7.9</b>	<b>7.6</b>	<b>7.7</b>
Smoke Development Rate (%.min)	<b>201</b>	<b>175</b>	<b>186</b>	<b>187</b>

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 7.7 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 187 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  
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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	256	257	304	362	415	479	/											
2	248	249	334	387	500	590	/											
3	251	253	362	398	449	522	/											

**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: <b>Length</b>	250	841	36	162
Specimen Tests: <b>Width</b>				
1	270	760	57	201
2	260	910	54	175
3	270	735	56	186
<b>Mean</b>	267	802	56	187



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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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