

CUSTOMER REFERENCE

MOHAWK ColorStrand® SD NYLON LOOP 15oz

Sample description as provided by customer

Mass/unit area **15 oz/yd² 509 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% ColorStrand® SOLUTION DYED NYLON**
 Colour **Grey/Stone**
 Pile Height **2.8 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 **7.4 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **7.9 kW/m²**
 Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	7.4	7.9	7.4	7.6
Smoke Development Rate (%.min)	214	198	192	201

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 7.6 kW/m²

MEAN SMOKE DEVELOPMENT RATE 201 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	282	363	428	482	/											
2	201	202	251	291	377	448	/											
3	200	201	211	233	260	298	/											

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		260	742	59	198
Specimen Tests: Length					
1		280	763	63	214
2		260	771	70	198
3		280	749	81	192
Mean		273	761	71	201



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**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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