

CUSTOMER REFERENCE

MOHAWK ColorStrand® SD NYLON LOOP 17oz

Sample description as provided by customer

Mass/unit area **17 oz/yd² 576 g/m²**
 Construction Details **Tufted** Secondary Backing **Ecoflex ICT**
 Style **Level Patterned Loop**

Order No. **MH**
 Pile Fibre Content **100% ColorStrand® SOLUTION DYED NYLON**
 Colour **Fawn/Blue**
 Pile Height **2.5 mm**

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

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 **7.6 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	7.9	7.7
Smoke Development Rate (%.min)	227	209	200	212

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/m²

MEAN SMOKE DEVELOPMENT RATE 212 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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PAGE 1 of 2

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	258	310	355	413	483	/											
2	225	226	276	351	447	516	/											
3	253	254	274	305	407	475	/											

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	270	727	62	218
Specimen Tests: Length				
1	280	725	57	227
2	260	738	68	209
3	260	752	58	200
Mean	267	738	61	212



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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