

CUSTOMER REFERENCE

MOHAWK DURACOLOR PREMIUM NYLON LOOP 18oz

Sample description as provided by customer
 Mass/unit area 18 oz/yd²
 Construction Details **Tufted** Secondary Backing **Synthetic Tiles**
 Style **Loop Pile**
 The Samples Tested Were **Modular Carpet**

Order No. **MW**
 Pile Fibre Content **100% NYLON**
 Colour **Various**
 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 **Oct 2015**

Test Date **16 Nov 2015**

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 **8.6 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **8.8 kW/m²**
 Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	8.6	8.8	8.8	8.7
Smoke Development Rate (%.min)	158	173	161	164

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 8.7 kW/m²

MEAN SMOKE DEVELOPMENT RATE 164 percent-minutes


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



M. B. Webb
 Technical Manager

DATE: 16 Nov 2015

Performance & Approvals
 Testing No. 15393
 Accredited for compliance with ISO/IEC 17025.



PAGE 1 of 2

Clause 9 of AS/ISO 9239 Part 1



The values on Page 2 have no relevance to the Code.

1004 04 09

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	247	248	298	350	488	/												
2	240	241	324	385	453	/												
3	196	197	257	326	362	/												

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		220	726	56	166
Specimen Tests: Length					
1		230	730	42	158
2		220	734	55	173
3		220	749	60	161
Mean		223	738	52	164

M. B. Webb
Technical Manager

DATE: 16 Nov 2015

Performance and Approvals
Testing No. 15393
Accredited for compliance
with ISO/IEC 17025.

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
2004 04 09 4612 16 November 2015