

CUSTOMER REFERENCE

16oz NYLON EcoWorx Tile

Sample description as provided by customer

Mass/unit area 16 oz/yd² / g/m²

Pile Fibre Content 100% SOLUTION DYED NYLON

Construction Details Tufted Secondary Backing Synthetic EcoWorx

Style LOOP

Order No. PMc

Colour Blue/Grey

Pile Height / mm

THE SAMPLES TESTED WERE MODULATED CARPETS

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 C1.10a of the Building Code of Australia.

Tested in accordance with the Carpet Institute Code of Practice for AS/ISO 9239 Testing Version 10 / 0805.

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 in use. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date July 2010

Test Date 30/7/2010

ASSEMBLY SYSTEM: DIRECT STICK (Details Below)

The floor covering was directly stuck to the substrate using SURE TAC PSI adhesive.

Substrate : Non-combustible

Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.

Sample Cleaned as Specified in ISO 11379.1997. The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux 7.8 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 7.6 kW/m²
Full tests carried out in the Width Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	7.6	8.7	8.1	8.1
Smoke Development Rate (%.min)	91	82	112	95

The values quoted below are as required by Specification C1.10a 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 8.1 kW/m²

MEAN SMOKE DEVELOPMENT RATE 95 percent-minutes


OBSERVATIONS The samples shrunk away from the heat source, ignited, then burnt a short distance.



M. B. Webb
Technical Manager

DATE: 30/7/2010

Measurement Science &
Technology No. 15393
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This Page (1) has been designed to show the values required under Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

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	237	239	351	410	427	533	/											
2	153	155	199	304	478	/												
3	166	168	296	381	453	/												

TESTS

Specimen	SMOKE PRODUCTION				BURNING CHARACTERISTICS			
	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)				
Initial Test: Length	28	94	275	1,104				
Specimen Tests: Width								
1	28	91	285	807				
2	23	82	230	755				
3	28	112	259	1,130				
Mean	26	95	258	897				



ACCREDITED FOR
TECHNICAL COMPETENCE



M. B. Webb
Technical Manager

DATE: 30/7/2010

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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 specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.
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