

CUSTOMER REFERENCE

## 15oz EcoWorx Tile

Sample description as provided by customer

Mass/unit area 15 oz/yd<sup>2</sup>

Pile Fibre Content 100% SOLUTION DYED NYLON

Construction Details Tufted Secondary Backing TILE POLYOLEFIN COMPOSITE

Order No. DP

Colour Blue

Style Multi Level Loop

Pile Height / mm

THE SAMPLES TESTED WERE MODULAR CARPET

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 September 2011

Test Date 22/10/2011

### ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using EcoWorx LokDot ADHESIVE SYSTEM

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 8.8 kW/m<sup>2</sup>  
Specimen 1 Width Direction Critical Radiant Flux 8.5 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> )	8.5	8.1	8.8	8.5
Smoke Development Rate (%.min)	64	83	76	74

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 8.5 kW/m<sup>2</sup>

### MEAN SMOKE DEVELOPMENT RATE 74 percent-minutes

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



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TECHNICAL  
COMPETENCE

M. B. Webb  
Technical Manager

DATE: 22/10/2011

Measurement Science &  
Technology No. 15393  
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PAGE 1 of 2

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	238	239	335	439	522	/													
2	192	193	284	352	432	/													
3	220	221	275	350	469	/													

TESTS

SMOKE PRODUCTION

BURNING CHARACTERISTICS


Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: Length	18	65	217	829
Specimen Tests: Width				
1	20	64	230	939
2	27	83	250	731
3	29	76	220	723
Mean	25	74	233	798



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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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