

CUSTOMER REFERENCE
13 oz EcoWorx Tiles

Sample description as provided by customer
 Mass/unit area **13 oz/yd²**
 Construction Details **Tufted** Secondary Backing **TILE POLYOLEFIN COMPOSITE**
 Style **Loop Pile**
The Samples Tested Were Modular Carpet

Order No. **PO08385**
 Pile Fibre Content **100% SOLUTION DYED NYLON**
 Colour **Charcoal**
 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 **May 2015**

Test Date **30 May 2015**

ASSEMBLY SYSTEM: DIRECT STICK EcoWorx LokDots ADHESIVE SYSTEM.

The floor covering was directly stuck to the substrate using **EcoWorx LokDots 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 **9.0 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **9.0 kW/m²**
 Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	9.0	9.0	9.0	9.0
Smoke Development Rate (%.min)	66	63	77	69

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 9.0 kW/m²

MEAN SMOKE DEVELOPMENT RATE 69 percent-minutes

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



M. B. Webb
 Technical Manager
 DATE: 30 May 2015
 Performance & Approvals
 Testing No. 15393
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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	232	233	338	361	416	/												
2	265	266	320	357	476	/												
3	237	239	319	388	793	/												

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	210	879	25	68
Specimen Tests: Length				
1	210	853	26	66
2	210	735	30	63
3	210	809	24	77
Mean	210	799	27	69



ACCREDITED FOR
**TECHNICAL
COMPETENCE**

M. B. Webb
Technical Manager

DATE: 30 May 2015

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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

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