

CUSTOMER REFERENCE  
**13 oz EcoWorx Tiles**

**Sample description as provided by customer**  
 Mass/unit area **13 oz/yd<sup>2</sup>**  
 Construction Details **Tufted** Secondary Backing **TILE POLYEFIN 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 SHAW Sure Tac PSi.

The floor covering was directly stuck to the substrate using **SHAW Sure Tac PSi** 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 **8.8 kW/m<sup>2</sup>**  
 Specimen 1 Width Direction Critical Radiant Flux **8.8 kW/m<sup>2</sup>**  
 Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>8.8</b>	<b>9.0</b>	<b>9.0</b>	<b>8.9</b>
Smoke Development Rate (%.min)	<b>90</b>	<b>78</b>	<b>67</b>	<b>78</b>

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 8.9 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 78 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  
 Accredited for compliance with ISO/IEC 17025.



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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	269	270	329	369	404	/												
2	226	227	333	404	469	/												
3	260	261	334	375	473	/												

**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: <b>Width</b>	220	766	28	84
Specimen Tests: <b>Length</b>				
1	220	760	34	90
2	210	755	32	78
3	210	756	29	67
<b>Mean</b>	213	757	32	78



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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