

CUSTOMER REFERENCE
17 oz EcoWorx Tile

Sample description as provided by customer

Mass/unit area **17 oz/yd²**

Construction Details **Tufted Secondary Backing Synthetic**

Style **Loop Pile**

The Samples Tested Were Modular Carpet

Order No. **KS**

Pile Fibre Content **100% SOLUTION DYED NYLON**

Colour **Grey Shades**

Pile Height / mm

TEST METHOD ISO 9239-1(2010 06-15) Determination of the Burning Behaviour using a radiant heat source As required by the New Zealand Building Code Clause C3.4 (b) (April 2012)

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 10 (o) of ISO 9239-1:2010.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **May 2015**

Test Date **10/5/2015**

ASSEMBLY SYSTEM: DIRECT STICK SURETAC PSI.

The floor covering was directly stuck to the substrate using **SURETAC 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/m²**

Specimen 1 Width Direction Critical Radiant Flux **9.4 kW/m²**


Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	8.8	8.8	7.9	8.5

The value quoted below is as required by the New Zealand Building Code Clause C3.4 (b) (April 2012) "Minimum critical radiant flux when tested to ISO 9239-1:2010". Hence the Radiant Flux quoted is the value at Flame-Out/Extinguishment Not after a 30 minute burn as used in Europe.

MEAN CRITICAL RADIANT FLUX 8.5 kW/m²

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

 **M. B. Webb**
Technical Manager
DATE: 10/5/2015
Performance & Approvals
Testing No. 15393
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PAGE 1 of 2

Clause 10 (o) of ISO 9239-1:2010

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	201	203	291	349	455													
2	205	207	277	390	482													
3	208	210	271	360	431													

TESTS

BURNING CHARACTERISTICS

Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: Width	190	789
Specimen Tests: Length		
1	220	721
2	220	814
3	260	1,000
Mean	233	845

M. B. Webb
 Technical Manager

DATE: 10/5/2015

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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 10 (o) of ISO 9239-1:2010

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