

CUSTOMER REFERENCE

17oz EcoWorx Tile

Sample description as provided by customer

Mass/unit area 17 oz/yd²

Construction Details **Tufted** Secondary Backing **TILE EcoWorx**

Style **Loop Pile**

The Samples Tested Were **Modular Carpet**

Order No. **KS**

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

Colour **Rock-Scissors**

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 EcoWork LokDot

The floor covering was directly stuck to the substrate using **EcoWork LokDot** 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 **8.5 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **8.5 kW/m²**
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	8.5	8.5	4.9	7.3

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 7.3 kW/m²

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

 ACCREDITED FOR TECHNICAL COMPETENCE	M. B. Webb Technical Manager	
	DATE: 10/5/2015	
	Performance & Approvals Testing No. 15393 Accredited for compliance with ISO/IEC 17025.	

PAGE 1 of 2

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

The values on Page 2 have no relevance to the Code.

1004 04 09



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	202	274	371	424	/												
2	217	218	262	331	394	/												
3	215	216	298	381	433	654	807	916	1201									

TESTS

BURNING CHARACTERISTICS

Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: Width	230	748
Specimen Tests: Length		
1	230	858
2	230	748
3	410	1,604
Mean	290	1,070

M. B. Webb
Technical Manager

DATE: 10/5/2015

Performance and Approvals
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 10 (o) of ISO 9239-1:2010
2004 04 09 0 13 April 2015