

CUSTOMER REFERENCE

15oz EcoWorx

Sample description as provided by customer

Mass/unit area 15 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 Brown/Grey

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 6.9 kW/m²

Specimen 1 Width Direction Critical Radiant Flux 7.1 kW/m²


Full tests carried out in the Length Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	6.9	6.7	6.9	6.8

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 6.8 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
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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	182	184	216	265	373	430	552											
2	181	183	278	330	411	524	642											
3	227	229	282	391	414	463	615											

TESTS

BURNING CHARACTERISTICS

Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: Width	300	1,037
Specimen Tests: Length		
1	310	948
2	320	1.082
3	310	915
Mean	313	982



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