

m/s shaw contract group australia 3A 650 Church St Richmond VIC 3121 Attn: MS Kate Szmal

TEST REPORT No. 175875NZ

LABORATORY REF: P175875NZ

CUSTOMER REFERENCE

20oz EcoWorx

Sample description as provided by customer Pile weight mass/unit area 20 oz/yd² Construction Details Tufted Secondary Backing Synthetic Style Loop Pile The Samples Tested Were Modular Carpet

Order No. KS Pile Fibre Content 100% NYLON Colour Cream 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 Mar 2017

Test Date 16/3/2017

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 Specimen 1 Width Direction

Critical Radiant Flux 6.7 kW/m² Critical Radiant Flux 6.7 kW/m²

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

SPECIMEN		Lengt	th #1	Length #2	Length #3	Mean		
Critical Radiant Flux (kW/m²)			6.7	7.1	5.8		6.5	

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 6.5 kW/m²

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



Technical Manager

DATE: 16/3/2017

Performance & Approvals

Technical Testing No. 15393
COMPETENCE Accredited for compliance with ISO/IEC 17025.

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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

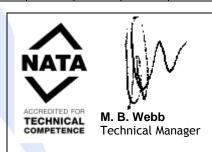
Specimen	50	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860
1	203	205	290	346	427	553	812				71							
2	180	181	245	327	440	723	<u> </u>											
3	190	192	259	321	410	539	691	862										

TESTS

BURNING CHARACTERISTICS

	201111110 01111111101100							
Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)						
Initial Test: Width	320	1,168						
Specimen Tests: Length								
1	320	1,510						
2	300	885						
3	360	1,198						
Mean	327	1,198						

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 17 March 2017



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