

m/s shaw contract group australia
Unit 13/3 Rocklea Drive Port Melbourne VIC 3207
Attn Ms Kate Szmaj

TEST REPORT No. 125871

LABORATORY REF: P125871

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. **POO4190**
Pile Fibre Content **100% NYLON**
Colour **Brown/Grey**
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 C1.10a 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 **Sept 2012**

Test Date **17 Oct 2012**

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
Smoke Development Rate (%.min)	152	140	146	146

The values quoted below are as required by Specification C1.10a 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 6.8 kW/m²

MEAN SMOKE DEVELOPMENT RATE 146 percent-minutes

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



M. B. Webb
Technical Manager

DATE: 17 Oct 2012

Measurement Science &
Technology No. 15393
Accredited for compliance with ISO/IEC 17025.

PAGE 1 of 2

This Page (1) has been designed to show the values required under Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

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

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: Width		300	1,037	37	150
Specimen Tests: Length					
1		310	948	36	152
2		320	1,082	33	140
3		310	915	40	146
Mean		313	982	36	146

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 Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.
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