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

TEST REPORT No. 125880

LABORATORY REF: P125880

CUSTOMER REFERENCE

32oz EcoWox

Sample description as provided by customer
Mass/unit area **32** 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 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 **Oct 2012** Test Date **30 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 **3.9** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **4.9** kW/m²
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m²)	3.9	4.5	5.6	4.7
Smoke Development Rate (%.min)	250	284	184	239

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 4.7 kW/m²

MEAN SMOKE DEVELOPMENT RATE 239 percent-minutes

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

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 30 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	185	187	309	416	477	585	686	954	1094	1315	/							
2	175	177	286	404	461	515	710	1041	1426	/								
3	209	211	305	354	417	528	723	925	/									

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**	**410**	**1,622**	**39**	**235**
Specimen Tests: **Length**				
1	470	1,815	35	250
2	430	1,852	39	284
3	370	1,286	33	184
Mean	423	1,651	36	239

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ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

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& Technology No. 15393
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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 Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.
2004 04 09 15075 2 November 2012

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