



m/s shaw contract group australia  
 Unit 13/3Rocklea Drive Port Melbourne VIC 3207  
 ATT Mr Denis Pellier

TEST REPORT No. 115291  
 LABORATORY REF: P115291

CUSTOMER REFERENCE  
**18oz EcoWorx Tile**

Sample description as provided by customer  
 Mass/unit area 18 oz/yd<sup>2</sup> Pile Fibre Content 100% SOLUTION DYED NYLON  
 Construction Details Tufted Secondary Backing TILE eco-worx  
 Style Multi Level Pattern Loop  
 THE SAMPLES TESTED WERE MODULAR CARPET  
 Order No. DP  
 Colour Gleam of Gold  
 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.

Tested in accordance with the Carpet Institute Code of Practice for AS/ISO 9239 Testing Version 10 / 0805.

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 in use. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001  
 Sample submitted Date September 2011 Test Date 6/11/2011

**ASSEMBLY SYSTEM: DIRECT STICK** (Details Below).

The floor covering was directly stuck to the substrate using EcoWorx LokDot ADHESIVE SYSTEM

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 8.8 kW/m<sup>2</sup>  
 Specimen 1 Width Direction Critical Radiant Flux 8.8 kW/m<sup>2</sup>  
 Full tests carried out in the Length Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	8.8	8.3	8.8	8.6
Smoke Development Rate (%.min)	77	101	132	103

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 8.6 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 103 percent-minutes**


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



**M. B. Webb**  
 Technical Manager

DATE: 6/11/2011

Measurement Science & Technology No. 15393  
 This document is issued in accordance with NATA's accreditation requirements.



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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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THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THE REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER CLAUSE C1.10A OF THE BUILDING CODE OF AUSTRALIA

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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	232	233	305	371	499	/													
2	201	202	309	394	454	/													
3	180	181	290	347	412	/													

TESTS

Specimen	SMOKE PRODUCTION				BURNING CHARACTERISTICS			
	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Initial Test: Width	Specimen Tests: Length	Mean	
1	24	109	219	891	25	77	220	880
2	32	101	240	805	32	101	240	805
3	37	132	220	764	37	132	220	764
Mean	31	103	227	816	31	103	227	816

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 3997 8 November 2011

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ACREDITED FOR  
**TECHNICAL COMPETENCE**  
M. B. Webb  
Technical Manager

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