

Att MS Elizabeth Mackowiak m/s Godfrey Hirst Australia Pty Ltd, P.O. Box 93, South Geelong Vic 3220 **TEST REPORT No. 104127** 

**LABORATORY REF: P104127** 

#### **CUSTOMER REFERENCE**

### **SEATTLE**

Sample description as provided by customer

Order No. APL 6A

Mass/unit area 22 oz/yd² / g/m²

Pile Fibre Content 100% STATRON SOLUTION DYED NYLON

Construction Details **Tufted** Secondary Backing **Synthetic** 

Colour Pike Place

Style **LOOP PILE** 

Pile Height 3.5 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 17/6/2010

Test Date 1/7/2010

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

The floor covering was directly stuck to the substrate using ROBERTS 95 adhesive.

**Substrate: Non-combustible** 

**Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.**Sample Cleaned as Specified in ISO 11379.1997. The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction

Critical Radiant Flux 9.4 kW/m<sup>2</sup>

Specimen 1 Width Direction

Critical Radiant Flux 9.3 kW/m<sup>2</sup>

Full tests carried out in the

Width Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean		
Critical Radiant Flux (kW/m²)	9.3	9.3	9.3	9.3		
Smoke Development Rate (%.min)	71	54	56	60		

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 9.3 kW/m<sup>2</sup> MEAN SMOKE DEVELOPMENT RATE 60 percent-minutes

OBSERVATIONS The samples shrunk away from the heat source and burnt a very short distance.



M. B. Webb Technical Manager

DATE: 1/7/2010

Measurement Science & Technology No. 15393

This document is issued in accordance with NATA's accreditation requirements.



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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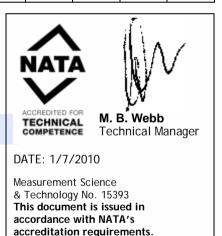
TEST REPORT No. 104127 LABORATORY REF: P104127 THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THE REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER CLAUSE C1.10A OF THE BUILDING CODE OF AUSTRALIA

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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	187	188	264	415	1													
2	191	193	239	549	1													
3	145	146	467	690	1													

TESTS	SMOKE PRODUCT	ΓΙΟΝ	BURNING CHARACTERISTICS					
Specimen	Maximum Light Attenuation (%)	Smoke Developm Rate (%.m	ent	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)			
Initial Test: Length	19		78	197	850			
Specimen Tests: Width								
1	24		71	200	870			
2	16		54	205	895			
3	9		56	200	784			
Mean	16		60	202	850			



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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