

m/s Beaulieu of Australia  
64 Lahrs Rd, Ormeau Q/Ld 4208  
Attn: MS Sue Schultz

TEST REPORT No. 147884

LABORATORY REF: P147884

CUSTOMER REFERENCE

## SISAL LIGHTS

**Sample description as provided by customer**

Mass/unit area **32 oz/yd<sup>2</sup>**

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

Style **Multi Level Loop**

Order No. **21953**

Pile Fibre Content **100% PERMASOFT SOLUTION DYED NYLON**

Colour **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 C1.10 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 **Feb 2014**

Test Date **20/2/2014**

### ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP STEPSMART

The UNDERLAY used was AIRSTEP STEPSMART.

**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 **1.6 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **1.7 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> )	<b>1.6</b>	<b>1.4</b>	<b>1.5</b>	<b>1.5</b>
Smoke Development Rate (%.min)	<b>308</b>	<b>279</b>	<b>283</b>	<b>290</b>

The values quoted below are as required by Specification C1.10 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 1.5 kW/m<sup>2</sup>

### MEAN SMOKE DEVELOPMENT RATE 290 percent-minutes

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

	<b>M. B. Webb</b> Technical Manager	
	DATE: 20/2/2014	
	Performance & Approvals Testing No. 15393 Accredited for compliance with ISO/IEC 17025.	

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Clause 9 of AS/ISO 9239 Part 1

The values on Page 2 have no relevance to the Code.

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## **TERMS AND CONDITIONS**

**APL (Applied Physics Laboratory) in the production of this report is based on the material supplied by the customer.**

**The completion of the report does not imply that the samples supplied are a representative sample of the product tested.**

**The tests undertaken by APL were completed in accordance with the instructions received and were carried out using generally accepted standards of testing and information as supplied.**

**The tests and Test Report accompanying the tests have been completed and complied at the request of our customer we do not accept any responsibility on any ground whatever, including liability in negligence to any other person.**

**The report shall not be altered in any circumstances.**

**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	176	178	239	369	403	585	696	804	953	1179	1308	1399	1457	1536	1602			
2	183	184	226	309	385	439	542	704	884	1099	1252	1407	1503	1598	1609			
3	185	186	206	258	312	369	453	599	658	947	1194	1307	1473	1631	1702			

**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: <b>Width</b>	<b>709</b>	<b>1796</b>	<b>86</b>	<b>315</b>
Specimen Tests: <b>Length</b>				
1	735	1685	88	308
2	787	1728	79	279
3	756	1805	83	283
<b>Mean</b>	<b>759</b>	<b>1,739</b>	<b>83</b>	<b>290</b>



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**



**M. B. Webb**  
Technical Manager

DATE: 20/2/2014

Performance and Approvals  
Testing No. 15393  
**Accredited for compliance  
with ISO/IEC 17025.**

*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 9 of AS/ISO 9239 Part 1

2004 04 09 0 23 February 2014

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