

m/s EC Group  
4-9 Delaine Ave Edwardstown S A 5069  
Attn: Mr Ken Grace

TEST REPORT No. 159084  
LABORATORY REF: P159084

CUSTOMER REFERENCE  
**LANEWAY FR**

Sample description as provided by customer  
Mass/unit area **25 oz/yd<sup>2</sup>**  
Construction Details **Tufted** Secondary Backing **Synthetic**  
Style **Multi Level Loop**

Order No. **KG**  
Pile Fibre Content **100% SOLUTION DYED NYLON**  
Colour **Brown**  
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 **22 Jul 2015**

Test Date **22 Jul 2015**

## ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP STEPLIGHT.

The UNDERLAY used was AIRSTEP STEPLIGHT.

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 2.3 kW/m<sup>2</sup>  
Specimen 1 Width Direction Critical Radiant Flux **2.1 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/m <sup>2</sup> )	<b>2.1</b>	<b>2.3</b>	<b>2.3</b>	<b>2.2</b>
Smoke Development Rate (%.min)	<b>121</b>	<b>124</b>	<b>138</b>	<b>128</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 2.2 kW/m<sup>2</sup>

### MEAN SMOKE DEVELOPMENT RATE 128 percent-minutes

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

	<b>M. B. Webb</b> Technical Manager	
	DATE: 22 Jul 2015	
	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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**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	156	157	169	199	232	293	327	412	519	718	929	1795	2259	/			/	
2	154	155	179	193	231	269	291	319	380	511	778	1035	1907	/			/	
3	177	179	230	238	248	273	303	347	405	512	809	1246	1880	/			/	

**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>Length</b>	600	1,796	32	138
Specimen Tests: <b>Width</b>				
1	630	2,641	38	121
2	610	1,918	41	124
3	610	1,893	60	138
<b>Mean</b>	617	3,328	46	128



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**

**M. B. Webb**  
Technical Manager

DATE: 22 Jul 2015

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

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