

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

TEST REPORT No. 148455

LABORATORY REF: P148455

CUSTOMER REFERENCE

## RESIDENCE

**Sample description as provided by customer**

Mass/unit area **36 oz/yd<sup>2</sup>**  
Construction Details **Tufted** Secondary Backing **Synthetic**  
Style **Loop Pile**

Order No. **KG**  
Pile Fibre Content **100% WOOL**  
Colour **Charcoal**  
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 **Oct 2014**

Test Date **25 Oct 2014**

### ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP STEPECO.

The UNDERLAY used was AIRSTEP STEPECO.

**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 6.9kW/m<sup>2</sup>  
Specimen 1 Width Direction Critical Radiant Flux **6.8 kW/m<sup>2</sup>**  
Full tests carried out in the **Length** Direction



SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>6.8</b>	<b>7.2</b>	<b>6.9</b>	<b>7.0</b>
Smoke Development Rate (%.min)	<b>146</b>	<b>108</b>	<b>120</b>	<b>125</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 7.0 kW/m<sup>2</sup>

### MEAN SMOKE DEVELOPMENT RATE 125 percent-minutes

OBSERVATIONS: **The samples singed, ignited and burnt a relatively short distance.**

 ACCREDITED FOR <b>TECHNICAL COMPETENCE</b>	<b>M. B. Webb</b> Technical Manager	
	DATE: 25/10/2014	
	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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**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	127	129	134	138	142	157	620			/								
2	127	128	131	135	141	149			/									
3	128	130	132	136	142	154			/									

**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>	<b>306</b>	<b>724</b>	<b>47</b>	<b>116</b>
Specimen Tests: <b>Width</b>				
<b>1</b>	<b>310</b>	<b>720</b>	<b>45</b>	<b>146</b>
<b>2</b>	<b>290</b>	<b>720</b>	<b>43</b>	<b>108</b>
<b>3</b>	<b>306</b>	<b>725</b>	<b>57</b>	<b>120</b>
<b>Mean</b>	<b>302</b>	<b>722</b>	<b>48</b>	<b>125</b>



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**

**M. B. Webb**  
Technical Manager

DATE: 25 Oct 2014

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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 Clause 9 of AS/ISO 9239 Part 1

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