

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

TEST REPORT No. 158645  
 LABORATORY REF: P158645

CUSTOMER REFERENCE

## SOLUTION DYED NYLON LOOP 30oz/yd<sup>2</sup>

Sample description as provided by customer  
 Mass/unit area 30 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 Shades**  
 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 2015** Test Date **28 Feb 2015**

### 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.**  
 The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux **4.7** kW/m<sup>2</sup>  
 Specimen 1 Width Direction Critical Radiant Flux **4.1** 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> )	4.1	3.9	4.1	4.0
Smoke Development Rate (%.min)	252	204	177	211

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

**MEAN SMOKE DEVELOPMENT RATE 211 percent-minutes**

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



**M. B. Webb**  
 Technical Manager  
 DATE: 28 Feb 2015  
 Performance & Approvals  
 Testing No. 15393  
 Accredited for compliance with ISO/IEC 17025.




PAGE 1 of 2  
 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	315	317	438	530	746	891	1059	1208	1735	/								
2	268	270	443	630	694	781	988	1130	1422	1768	/							
3	264	265	329	386	590	1096	1124	1273	1382	/								

Specimen	BURNING CHARACTERISTICS		SMOKE PRODUCTION	
	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)
Initial Test: <b>Length</b>	420	1,921	24	180
Specimen Tests: <b>Width</b>				
1	450	2,252	28	252
2	460	1,769	25	204
3	450	2,218	18	177
<b>Mean</b>	453	2,080	24	211



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**



**M. B. Webb**  
Technical Manager

DATE: 28 Feb 2015

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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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