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

TEST REPORT No. 147948

LABORATORY REF: P147948

CUSTOMER REFERENCE

LANEWAY 25oz/yd² SOLUTION DYED NYLON

Sample description as provided by customer
Order No. **KG**
Mass/unit area **25** oz/yd²
Pile Fibre Content **100% SOLUTION DYED NYLON**
Construction Details **Tufted** Secondary Backing **Synthetic**
Colour **White**
Style **Loop Pile**
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 **Apr 2014** Test Date **20 Apr 2014**

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 **3.9** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **3.9** kW/m²
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m²)	3.9	4.4	4.1	4.1
Smoke Development Rate (%.min)	51	96	55	67

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 4.1 kW/m²

MEAN SMOKE DEVELOPMENT RATE 67 percent-minutes

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

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 20 Apr 2014

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	198	200	228	269	362	567	827	1648	2195	3236	/							
2	227	229	356	531	723	979	1108	1215	1605	/								
3	195	196	358	643	815	1259	1617	1976	3123	/								

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: **Width**	462	3,199	9	50
Specimen Tests: **Length**				
1	460	3,240	10	51
2	435	3,235	7	96
3	450	4,137	5	55
Mean	448	3,537	7	67

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

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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
2004 04 09 26885 20 April 2014

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