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

TEST REPORT No. 169952B

LABORATORY REF: P169952B

CUSTOMER REFERENCE

LARGE LOOP PILE SDN

Sample description as provided by customer
Mass/unit area **30** oz/yd²
Construction Details **Tufted** Secondary Backing **Synthetic**
Style **High and Low Loop**

Order No. **KG**
Pile Fibre Content **100% SOLUTION DYED NYLON**
Colour **Charcoal** / **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 **May 2016** Test Date **18 Jun 2016**

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 **7.3** kW/m²
Specimen 1 Width Direction Critical Radiant Flux 6.4kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	6.4	6.4	6.6	6.5
Smoke Development Rate (%.min)	49	29	44	41

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 6.5 kW/m²

MEAN SMOKE DEVELOPMENT RATE 41 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: 18 Jun 2016

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	296	298	590	793	942	1254	1590											
2	359	361	484	865	1052	1532	1746	/										
3	297	299	557	980	1302	1588	1912	/										

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: **Length**	286	1,658	12	51
Specimen Tests: **Width**				
1	330	1,793	13	49
2	330	1,998	12	29
3	320	2,027	19	44
Mean	327	1,939	15	41

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 18 Jun 2016

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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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