m/s Signature Floors Pty Ltd
P.O BOX 1122, EPPING VIC 3076
Attn: Ms Rebecca McKenzie

TEST REPORT No. 137790

LABORATORY REF: P137790

CUSTOMER REFERENCE

STRIKE & STRIKEOUT TILES

Sample description as provided by customer Order No. **PO104533**
Mass/unit area **816** g/m² Pile Fibre Content **100% ANTRON NYLON**
Construction Details **Tufted** Secondary Backing **Synthetic** Colour **Charcoal**
Style **Multi Level Loop** Pile Height **4** mm
The SAMPLES were MODULAR CARPETS With Thermo Bak,Comfi Bak (PET)

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 **Nov 2013** Test Date **13 Dec 2013**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using Water Based Surface Contact 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 **6.0** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **5.8** kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	5.8	5.4	5.2	5.5
Smoke Development Rate (%.min)	299	308	285	297

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 5.5 kW/m²

MEAN SMOKE DEVELOPMENT RATE 297 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: 13 Dec 2013

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	255	257	329	399	508	936	1208	1829	/									
2	231	232	351	495	655	847	1316	1803	/									
3	250	252	337	443	558	783	1267	1642	/									

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**	**351**	**1,593**	**46**	**274**
Specimen Tests: **Width**				
1	360	1,852	49	299
2	380	2,110	40	308
3	390	2,112	44	285
Mean	377	2,025	44	297

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 13 Dec 2013

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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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