Attn Mr Paul Sommerville
m/s BELGOTEX AUSTRALIA
UNIT 4 13-15 FISHERMANS Rd KULUIN QUEENSLAND 4558

TEST REPORT No. 159292

LABORATORY REF: P159292

CUSTOMER REFERENCE

TOP DESIGN 1300

Sample description as provided by customer
Mass/unit area **1300** g/m²
Construction Details **Tufted** Secondary Backing **Synthetic**
Style **Cut Pile**

Order No. **PS**
Pile Fibre Content **100% NYLON**
Colour **Print Various 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 **Nov 2015** Test Date **21 Nov 2015**

ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) AIRSTEP SENSI SLAB.

The underlay used was AIRSTEP SENSI SLAB it was adhered to the substrate using ROBERTS 656 adhesive. The floor covering was adhered to the underlay 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 **5.9** 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	5.6	5.8	5.7
Smoke Development Rate (%.min)	319	356	389	355

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 5.7 kW/m²

MEAN SMOKE DEVELOPMENT RATE 355 percent-minutes

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

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 21 Nov 2015

Performance & Approvals
Testing No. 15393
Accredited for compliance with ISO/IEC 17025.

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	257	259	331	390	451	552	602	683	/									
2	270	272	289	351	428	510	785	929	/									
3	264	266	309	379	448	593	1026	1548										

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**	350	984	62	348
Specimen Tests: **Width**				
1	360	994	61	319
2	370	1,755	56	356
3	360	1,659	57	389
Mean	363	1,469	58	355

NATA
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M. B. Webb
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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 7359 21 November 2015

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