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

TEST REPORT No. 159293NZ

LABORATORY REF: P159293NZ

CUSTOMER REFERENCE

TOP DESIGN 1100 Felt Backed

Sample description as provided by customer
Mass/unit area **1100** g/m²
Construction Details **Tufted** Secondary Backing **Felt Back**
Style **Cut Pile**

Order No. **PS**
Pile Fibre Content **100% NYLON**
Colour **Print Various Shades**
Pile Height **/** mm

TEST METHOD ISO 9239-1(2010 06-15) Determination of the Burning Behaviour using a radiant heat source As required by the New Zealand Building Code Clause C3.4 (b) (April 2012)

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 10 (o) of ISO 9239-1:2010.

Conditioning as specified in BS EN 13238.2001
Sample submitted Date **Nov 2015** Test Date **21/11/2015**

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 **8.3** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **8.1** kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	8.1	8.3	8.8	8.4

The value quoted below is as required by the New Zealand Building Code Clause C3.4 (b) (April 2012) "Minimum critical radiant flux when tested to ISO 9239-1:2010". Hence the Radiant Flux quoted is the value at Flame-Out/Extinguishment Not after a 30 minute burn as used in Europe.

MEAN CRITICAL RADIANT FLUX 8.4 kW/m²

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

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 21/11/2015

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

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Clause 10 (o) of ISO 9239-1:2010

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	123	124	269	351	659	/												
2	219	220	293	474	639	/												
3	260	262	293	499	627	/												

TESTS **BURNING CHARACTERISTICS**

Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: **Length**	**240**	**773**
Specimen Tests: **Width**		
1	**250**	**765**
2	**240**	**939**
3	**220**	**843**
Mean	**237**	**849**

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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 10 (o) of ISO 9239-1:2010
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