m/s Belgotex Australia
Unit 4 13-15 Fishermans Rd, KULUIN Queensland 4558
Attn: Mr Paul Sommerville

TEST REPORT No. 169856

LABORATORY REF: P169856

CUSTOMER REFERENCE

TUFTWEAVE HEAVY COMMERCIAL

Sample description as provided by customer
Order No. **PS**
Mass/unit area **1200** g/m²
Pile Fibre Content **100% SOLUTION DYED NYLON**
Construction Details **Tufted** Secondary Backing **Synthetic**
Colour **Fawn Shades**
Style **Cut Pile**
Pile Height **/** mm
The Samples Secondary Backing was FUSION BAC

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 2016** Test Date **10 Jun 2016**

ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) DUNLOP DB5.

The underlay used was DUNLOP DB5 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 **4.1** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **3.9** kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	3.9	3.9	4.1	4.0
Smoke Development Rate (%.min)	444	408	424	425

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 4.0 kW/m²

MEAN SMOKE DEVELOPMENT RATE 425 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: 10 Jun 2016

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	272	273	323	430	445	525	582	643	714	1079	/							
2	328	330	374	394	423	436	510	565	876	1159	/							
3	272	273	350	429	441	465	511	534	663	/								

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**	450	1,093	65	429
Specimen Tests: **Width**				
1	460	1,154	67	444
2	460	1,252	67	408
3	450	1,277	72	424
Mean	457	1,228	69	425

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 10 Jun 2016

Performance and Approvals Testing No. 15393
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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 14619 10 June 2016

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