m/s Belgotex Australia
Unit 4 13-15 Fishermans Rd, KULUIN Queensland 4558

LABORATORY TEST REPORT
P171948

AVENUE

Sample description as provided by customer Order No. **PS**
Pile weight mass/unit area **520** g/m² Pile Fibre Content **100% SOLUTION DYED NYLON**
Construction Details **Tufted** Secondary Backing **Tile Backing** Colour **Charcoal**
Style **Loop Pile** Pile Height mm
The Samples Tested Were Modular Carpet

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 the Building Code of Australia (BCA) and National Construction Code 2015 (NCC) specifications C1.10. Sample conditioning as specified in BS EN 13238.2010.

Sample Submitted Date **Mar 2017** Test Date **25 Mar 2017** Total Thickness mm

Assembly System: DIRECT STICK

The floor covering was directly stuck to the substrate using Water Based Surface Contact adhesive.

Substrate: Non-Combustible - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.
The Holding Torque on Specimen Frame was 2Nm.

The standard requires two Initial Tests be conducted on samples mounted in both Length and Width directions. Two further samples are then tested in whichever direction has the lowest Critical Radiant Flux.

Initial Tests: **Length** Direction Critical Radiant Flux **7.7** kW/m²
Width Direction Critical Radiant Flux **7.2** kW/m²

	Specimen Tests conducted in the Width Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m²)	7.2	7.8	6.5	7.2
Smoke Development Rate (%.min)	124	107	139	123

The values quoted below are as required by BCA and NCC Specification C1.10 Fire Hazard Properties (Floors).
The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).

Mean Critical Radiant Flux 7.2 kW/m²

Mean Smoke Development Rate 123 %.min

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

AS.ISO 9239.1 Clause 9(o) The test results 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 in use.
All information required for compliance with the BCA and NCC is given on this test report page.

M. B. Webb
Technical Manager

DATE: 25 Mar 2017

NATA ACCREDITED FOR TECHNICAL COMPETENCE
Performance & Approvals
Accreditation No. 15393
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The information provided on this page of the test report is for the Sponsors Use Only and will meet the requirements of the standard. This page is Not Required and has No Validity under Specification C1.10 Fire Hazard Properties (Floors) of the BCA and NCC 2015.
The laboratory does not allow the use of this page of the report without the use of page 1.

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	245	246	285	401	582	847												
2	233	234	296	361	593	975	/											
3	184	185	227	337	491	614	1051	/										

TESTS

Specimen	BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment	BURNING CHARACTERISTICS: Time To Burn Out (s)	SMOKE PRODUCTION: Maximum Light Attenuation (%)	SMOKE PRODUCTION: Smoke Development Rate (%.min)
Initial Test: **Length**	282	1,185	43	128
Specimen Tests: **Width**				
1	303	1,256	44	124
2	280	1,133	33	107
3	335	1,556	47	139
Mean	306	1,315	41	123

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2004 04 09 5781 25 March 2017

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