

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

LABORATORY TEST REPORT  
**P171949**

## VISION

**Sample description as provided by customer**

Pile weight mass/unit area **850 g/m<sup>2</sup>**  
 Construction Details **Tufted Secondary Backing Tile Backing**  
 Style **Loop Pile**

Order No. **PS**

Pile Fibre Content **100% SOLUTION DYED NYLON**  
 Colour **Grey/Charcoal**  
 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 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 **5.7 kW/m<sup>2</sup>**  
**Width** Direction Critical Radiant Flux **5.5 kW/m<sup>2</sup>**

	Specimen Tests conducted in the <b>Width</b> Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	5.5	5.9	5.7	5.7
Smoke Development Rate (%.min)	341	394	384	373

*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 5.7 kW/m<sup>2</sup>**

**Mean Smoke Development Rate 373 %.min**

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

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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	241	242	262	338	459	616	862	1244	/									
2	214	216	281	355	487	648	1319	1502	/									
3	223	224	291	339	502	893	1142	1527										

**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	371	1,429	64	342
Specimen Tests: Width				
1	380	1,394	63	341
2	360	1,547	64	394
3	371	1,683	66	384
Mean	370	1,541	64	373




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Technical Manager

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