

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

TEST REPORT No. 169938A  
LABORATORY REF: P169938A

CUSTOMER REFERENCE  
**NEWCASTLE**

Sample description as provided by customer  
LVT Dimensions 18 inches x 36 x 3.0/0.70 mm Semi Matte PU Coating

Order No. PS

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 Jun 2016

Test Date 14 Jun 2016

## ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using Vinyl 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 10.4 kW/m<sup>2</sup>  
Specimen 1 Width Direction Critical Radiant Flux 10.2 kW/m<sup>2</sup>  
Full tests carried out in the Width Direction



SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	10.2	10.1	10.2	10.2
Smoke Development Rate (%.min)	73	60	75	69

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 10.2 kW/m<sup>2</sup>

### MEAN SMOKE DEVELOPMENT RATE 69 percent-minutes

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

	<b>M. B. Webb</b> Technical Manager	
	DATE: 14 Jun 2016	
	Performance & Approvals Testing No. 15393 Accredited for compliance with ISO/IEC 17025.	

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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	300	302	352	/														
2	244	246	321	/														
3	235	237	337	/														

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: <b>Length</b>		130	377	46	85
Specimen Tests: <b>Width</b>					
1		140	516	33	73
2		150	420	32	60
3		140	443	34	75
Mean		143	460	33	69

**M. B. Webb**  
 Technical Manager

DATE: 14 Jun 2016

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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  
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