

AWTA PRODUCT TESTING

A Division of Australian Wool Testing Authority Limited

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A.B.N. 43 006 014 106

Group Number Assessment (in accordance with AS 5637.1-2015)

Number: 7-573134-CV
Issue Date: 06/09/2016

This is to confirm that the product as described below has been tested by AWTA Product Testing.

Testing was performed in accordance with AS/NZS 3837 - 1998 Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter.

AWTA Product Testing report number: 7-573134-CV

Date of Test: 09/06/2010

Test Sponsor

The Laminex Group
332 Bay Road
Cheltenham Vic 3192

Sponsor Product Reference: "Laminex Fusion Laminate"

Sponsor Product Description: High pressure laminate panels – unadhered

Nominal Composition: Multiple layers of paper impregnated with formaldehyde based resins fused together under heat and pressure Nominal Thickness: 1mm Density: 1.5kg/m²

Product Group Number Classification: Group 2
Average Specific Extinction Area: 47.9m²/kg

Chris Campbell
Client Relations Manager

It should be borne in mind that the opinions expressed in this letter are based on a limited number of observations made on a single sample and may be subject to alteration if more detailed testing was to be carried out. We recommend that you have further testing conducted if the information above is critical to your decisions on this product.

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TEST REPORT

CLIENT : THE LAMINEX GROUP
332 BAY ROAD
CHELTENHAM VIC 3192

TEST NUMBER : 7-573134-CV
ISSUE DATE : 09/06/2010
PRINT DATE : 09/06/2010
ORDER NUMBER : 30526

SAMPLE DESCRIPTION Clients Ref: "Laminex Fusion Laminate"
High pressure laminate panels - unadhered
Colour: VGXL - Dark flower print Batch: 6930090R
Finish: Gloss

Nominal composition: Multiple layers of paper
impregnated with formaldehyde based resins fused
together under heat and pressure
Nominal mass: 1.5kg/m²
Nominal thickness: 1mm

AS/NZS 3837:1998 Method of Test for Heat and Smoke Release Rates
for Materials and Products Using an Oxygen
Consumption Calorimeter

Results:-

	Specimen			Mean	
	1	2	3		
Average Heat Release Rate	74.5	68.3	64.8	69.2	kW/m ²
Average Specific extinction area (according to Specification C1.10 of the Building Code of Australia)	54.7	33.1	56.0	47.9	m ² /kg

BCA Classification:-
Group Classification 2 2 2
(according to Specification A2.4 of the Building Code of Australia)

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This Laboratory is accredited by the National Association of Testing Authorities, Australia, for:
- Chemical Testing of Textiles & Related Products : Accreditation No. 983
- Mechanical Testing of Textiles & Related Products : Accreditation No. 985
- Heat & Temperature Measurement : Accreditation No. 1356

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TEST NUMBER : 7-573134-CV
ISSUE DATE : 09/06/2010
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Test orientation: Horizontal

	Specimen			Mean	
	1	2	3		
Irradiance	50	50	50	50	kW/m2
Exhaust flow rate	24	24	24	24	l/s
Time to sustained flaming	26	27	26	26	s
Test duration	282	288	309	293	s

Heat release rate curve on attached sheets which form part of this report

Peak heat release after ignition	218.8	199.7	198.0	205.5	kW/m2
Average heat at 60s	148.8	144.5	144.0	145.8	kW/m2
Release rate at 180s	94.6	89.4	88.8	90.9	kW/m2
After ignition at 300s	74.5	68.3	64.8	69.2	kW/m2
Total heat released	19.0	17.8	18.3	18.4	MJ/m2
Average effective heat of combustion	13.8	13.2	12.9	13.3	MJ/kg

Initial thickness	1.0	1.0	1.0	1.0	mm
Initial mass	15.5	14.9	15.3	15.2	g
Mass remaining	3.7	3.5	3.6	3.6	g
Mass percentage pyrolysed	76.1	76.5	76.5	76.4	%
Mass loss	11.8	11.4	11.7	11.6	g
Average rate of mass loss	5.4	5.2	5.0	5.2	g/m2.s

Observations: Tests were conducted with a simulated airgap, consisting of the sample resting on a 12mm spacer
Tests were conducted with a wire grid placed over the sample during testing
This was done to contain intumescent sample within the sample holder

These test results relate only to the behaviour of the product under the conditions of the test, they are not intended to be the sole criterion for the assessment of performance under real fire conditions

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(END OF REPORT)

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