

# 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: 7-587278-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: 7-573197-CV

Date of Test: 11/06/2010

### Test Sponsor

The Laminex Group  
332 Bay Road  
Cheltenham Vic 3192

Sponsor Product Reference: "Laminex Aquapanel Laminate"

Sponsor Product Description: High pressure laminate panels - unadhered  
Colour: White Nominal Mass: 4.4kg/m<sup>2</sup> Nominal Thickness: 2.7mm  
Nominal Composition: Multiplie layers of paper impregnated with formaldehyde based resins fused together under heat and pressure

Product Group Number Classification: Group 3  
Average Specific Extinction Area: 79.1 m<sup>2</sup>/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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1st Floor, 191 Racecourse Road, Flemington, Victoria 3031

P.O. Box 240, North Melbourne, Victoria 3051

Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

CLIENT : THE LAMINEX GROUP  
332 BAY ROAD  
CHELTENHAM VIC 3192

TEST NUMBER : 7-573197-CV  
ISSUE DATE : 11/06/2010  
PRINT DATE : 11/06/2010  
ORDER NUMBER : 30526

SAMPLE DESCRIPTION Clients Ref: "Laminex Aquapanel Laminate"  
High pressure laminate panels - unadhered  
Colour: White Finish: Gloss  
Nominal Composition: Multiple layers of paper impregnated  
with formaldehyde based resins fused together under heat  
and pressure Nom. Mass: 4.4kg/m<sup>2</sup> Nom. Thick: 2.7mm

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

Results:-

	1	2	3	Mean	
Average Heat Release Rate	103.6	98.9	92.2	98.2	kW/m <sup>2</sup>
Average Specific extinction area (according to Specification C1.10 of the Building Code of Australia)	89.9	81.3	66.1	79.1	m <sup>2</sup> /kg

BCA Classification:-  
Group Classification 3 3 3  
(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 REPORT

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332 BAY ROAD  
CHELTENHAM VIC 3192

TEST NUMBER : 7-573197-CV  
ISSUE DATE : 11/06/2010  
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ORDER NUMBER : 30526

Test orientation: Horizontal

	1	2	3	Mean	
Irradiance	50	50	50	50	kW/m2
Exhaust flow rate	24	24	24	24	l/s
Time to sustained flaming	66	59	59	61	s
Test duration	480	492	476	483	s

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

Peak heat release after ignition	230.7	249.4	239.1	239.7	kW/m2
Average heat at 60s	159.2	137.0	137.6	144.6	kW/m2
Release rate at 180s	179.0	171.3	159.3	169.9	kW/m2
After ignition at 300s	130.8	129.3	119.4	126.5	kW/m2
Total heat released	42.8	42.7	38.3	41.3	MJ/m2
Average effective heat of combustion	13.2	12.9	11.4	12.5	MJ/kg

Initial thickness	2.7	2.7	2.7	2.7	mm
Initial mass	38.9	38.8	38.3	38.7	g
Mass remaining	10.8	10.9	9.8	10.5	g
Mass percentage pyrolysed	72.2	71.9	74.4	72.9	%
Mass loss	28.1	27.9	28.5	28.2	g
Average rate of mass loss	7.9	7.7	8.1	7.9	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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