

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: 7-573196-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: 7-573196-CV

Date of Test: 11/06/2010

Test Sponsor

The Laminex Group
332 Bay Road
Cheltenham Vic 3192

Sponsor Product Reference: "Laminex Chemical Resistant 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: 0.8mm Density: 1kg/m²

Product Group Number Classification: Group 2
Average Specific Extinction Area: 97.3m²/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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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 : 7-573196-CV
ISSUE DATE : 11/06/2010
PRINT DATE : 11/06/2010
ORDER NUMBER : 30526

SAMPLE DESCRIPTION Clients Ref: "Laminex Chemical Resistant Laminate"
High pressure laminate panels - unadhered
Colour: Silver Grey Finish: Flint
Nominal Composition: Multiple layers of paper impregnated
with formaldehyde based resins fused together under heat
and pressure Nom. Mass: 1.0kg/m² Nom. Thick: 0.8mm

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	69.8	69.7	70.0	69.8	kW/m ²
Average Specific extinction area (according to Specification C1.10 of the Building Code of Australia)	84.0	101.9	105.9	97.3	m ² /kg

BCA Classification:-

Group Classification 2 1 1
(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 : 7-573196-CV
ISSUE DATE : 11/06/2010
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Test orientation: horizontal

	Specimen				
	1	2	3	Mean	
Irradiance	50	50	50	50	kW/m ²
Exhaust flow rate	24	24	24	24	l/s
Time to sustained flaming	21	30	32	28	s
Test duration	224	234	230	229	s

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

Peak heat release after ignition	189.9	210.4	214.2	204.8	kW/m ²
Average heat at 60s	134.7	136.6	134.4	135.2	kW/m ²
Release rate at 180s	76.2	76.0	74.7	75.6	kW/m ²
After ignition at 300s	N/A	N/A	N/A	N/A	kW/m ²
Total heat released	14.1	14.3	13.9	14.1	MJ/m ²
Average effective heat of combustion	13.6	14.6	15.3	14.5	MJ/kg
Initial thickness	0.8	0.8	0.8	0.8	mm
Initial mass	11.3	11.3	11.1	11.2	g
Mass remaining	2.7	2.6	2.6	2.6	g
Mass percentage pyrolysed	76.1	77.0	76.6	76.6	%
Mass loss	8.6	8.7	8.5	8.6	g
Average rate of mass loss	5.1	4.8	4.6	4.8	g/m ² .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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