

# 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: 7-587278-CV

Date of Test: 02/10/2012

### Test Sponsor

The Laminex Group  
PO Box 720  
Wendouree Vic 3355

Sponsor Product Reference: "Laminex/Formica High Pressure Laminate"

Sponsor Product Description: High pressure laminate  
Colour: Walnut  
Nominal Composition: High pressure laminate with phenolic resin core, melamine resin surface  
91g/m<sup>2</sup>

Product Group Number Classification: Group 2  
Average Specific Extinction Area: 64.3 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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## TEST REPORT

CLIENT : THE LAMINEX GROUP  
PO BOX 720  
WENDOUREE VIC 3355

TEST NUMBER : 7-587278-CV  
ISSUE DATE : 02/10/2012  
PRINT DATE : 02/10/2012

SAMPLE DESCRIPTION Clients Ref: "Milano"  
Walnut Finish  
Nom: High pressure laminate with phenolic resin core  
melamine resin surface 91 g/m<sup>2</sup>  
End Use: Bench top surfaces

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

Results:-

	1	Specimen 2	3	Mean	
Average Heat Release Rate	58.9	55.2	56.8	56.9	kW/m <sup>2</sup>

Average Specific extinction area (according to Specification C1.10 of the Building Code of Australia)	77.0	64.6	51.3	64.3	m <sup>2</sup> /kg
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Test orientation: Horizontal

	1	Specimen 2	3	Mean	
Irradiance	50	50	50	50	kW/m <sup>2</sup>
Exhaust flow rate	24	24	24	24	l/s
Time to sustained flaming	19	17	22	19	s
Test duration	258	255	252	255	s

Heat release rate curve on the 9 attached sheets which form part of this report

Peak heat release after ignition	194.8	227.3	211.2	211.1	kW/m <sup>2</sup>
Average heat at 60s	139.7	137.9	144.4	140.7	kW/m <sup>2</sup>
Release rate at 180s	70.2	66.4	66.3	67.6	kW/m <sup>2</sup>
After ignition at 300s	58.9	55.2	N/A	57.1	kW/m <sup>2</sup>
Total heat released	14.0	13.1	13.0	13.4	MJ/m <sup>2</sup>
Average effective heat of combustion	15.6	15.0	15.1	15.2	MJ/kg

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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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Initial thickness	1.0	1.0	1.0	1.0	mm
Initial mass	9.2	9.0	9.0	9.1	g
Mass remaining	1.5	1.5	1.5	1.5	g
Mass percentage pyrolysed	83.7	83.3	83.3	83.5	%
Mass loss	7.7	7.5	7.5	7.6	g
Average rate of mass loss	3.8	3.7	3.8	3.7	g/m2.s

The formulae given in the Building Code of Australia have been shown to give inaccuracies in determination of Group Number for certain materials. Due to this AWTA Product Testing no longer reports Group Numbers. The formulae for calculation of Group Number is available from the website of the Australian Building Codes Board. Group Number calculation based on the results described in this report can be undertaken at the clients discretion

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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*[Signature]*

APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc.(Hons)  
MANAGING DIRECTOR