AWTA PRODUCT TESTING

A Division of Australian Wool Testing Authority Limited

A.B.N. 43 006 014 106
Laboratory: 1st Floor, 191 Racecourse Rd, Flemington, Victoria 3031 P.O. Box 240 Nth Melbourne 3051 Tel: (03) 9371 2400 Fax: (03) 9371 2499
Website: www.awtaproducttesting.com.au Email: producttesting@awta.com.au

Group Number Assessment

(in accordance with AS 5637.1-2015)

Number: 7-591603-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: 7-591603-CV

Date of Test: 18/06/2013

Test Sponsor

The Laminex Group
PO Box 720
Wendouree Vic 3355

Sponsor Product Reference: “Formica Magnetic Metallic HPL”

Sponsor Product Description: High pressure laminate with a decorative face and an embedded metal foil layer
Nominal Composition: Kraft paper and resin compressed into a flat sheet with a metal foil layer embedded into the centre Nominal Thickness: 1mm Density: 2800kg/m3

Product Group Number Classification: Group 2
Average Specific Extinction Area: 25m^2/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
PO BOX 720
WENDOUREE VIC 3355

TEST NUMBER : 7-591603-CV
ISSUE DATE : 18/06/2013
PRINT DATE : 18/06/2013
ORDER NUMBER : 1870

SAMPLE DESCRIPTION Clients Ref: "Sample 13306"
Product name: Formica Magnetic Metallic HPL High pressure laminate with a decorative face and an embedded metal foil layer Nom Thickness:1mm Density:2800 kg/m3 Nom Comp:Kraft paper & resin compressed into a flat sheet with a metal foil layer embedded into the centre End Use:Vertical Carpentry

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

Results:-

	Specimen 1	2	3	Mean	
Average Heat Release Rate	58.5	56.9	56.9	57.4	kW/m2
Average Specific extinction area	32.6	24.6	17.7	25.0	m2/kg

(according to Specification C1.10 of the Building Code of Australia)

Test orientation: Horizontal

	Specimen 1	2	3	Mean	
Irradiance	50	50	50	50	kW/m2
Exhaust flow rate	24	24	24	24	l/s
Time to sustained flaming	35	32	31	33	s
Test duration	339	402	363	368	s

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

Peak heat release after ignition	163.3	176.1	163.9	167.8	kW/m2
Average heat at 60s	108.9	119.1	115.2	114.4	kW/m2
Release rate at 180s	81.8	87.3	84.1	84.4	kW/m2
After ignition at 300s	58.9	65.3	61.0	61.7	kW/m2
Total heat released	17.8	21.1	18.8	19.2	MJ/m2
Average effective heat of combustion	14.2	16.1	14.7	15.0	MJ/kg

NATA

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

AWTA LIMITED

APPROVED SIGNATORY

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

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TEST REPORT

CLIENT : THE LAMINEX GROUP
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TEST NUMBER : 7-591603-CV
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Initial thickness	1.5	1.5	1.5	1.5	mm
Initial mass	29.5	29.3	29.5	29.4	g
Mass remaining	18.6	18.2	18.5	18.4	g
Mass percentage pyrolysed	36.9	37.9	37.3	37.4	%
Mass loss	10.9	11.1	11.0	11.0	g
Average rate of mass loss	4.1	3.5	3.9	3.8	g/m2.s

The formulae given in the Building Code of Austalia 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 conducgted 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 intumescing sample within the sample

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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AWTA LIMITED

APPROVED SIGNATORY

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

0204/11/06