

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
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TEST REPORT

CLIENT : THE LAMINEX GROUP
PO BOX 720
WENDOUREE VIC 3355

TEST NUMBER : 7-598418-CV
ISSUE DATE : 16/07/2014
PRINT DATE : 16/07/2014
ORDER NUMBER : 1950

SAMPLE DESCRIPTION Clients Ref: "Sample 15143 Laminex/Formica High Pressure"
Laminate (180fx, AR+, Diamond Gloss, Fusion, Innovations,
Squareform ranges) Laminated MDF panel Colour: White
Nom. Comp: Layers of kraft paper bonded together with a
phenol resin system. Decorative and overlay paper on top
surface. Adhered to MDF for testing purposes Thickness:13mm

ISO 5660.1-2002 Reaction to Fire Tests - Heat Release Smoke Production
and Mass Loss Rate
Part 1: Heat Release Rate (Cone Calorimeter Method)

RESULTS:-

	1	Specimen 2	3	Mean	
Average Heat Release Rate at 50kW/m2	70.9	73.7	71.1	71.9	kW/m2

Group Number Classification (In Accordance with New Zealand Building Code
Verification Method C/VM2 Appendix A)

	3	3	3
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Average Specific Extinction Area (According to ISO 5660.2-2002)	55.7	51.4	63.6	56.9	m2/kg
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Test orientation: Horizontal

	1	Specimen 2	3	Mean	
Irradiance	50	50	50	50	kW/m2
Exhaust flow rate	24	24	24	24	l/s
Time to sustained flaming	27	29	26	27	s
Test duration	1827	1829	1826	1827	s

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

Peak heat release after ignition	232.4	195.4	232.4	220.1	kW/m2
Average heat at 60s	73.1	79.1	74.1	75.4	kW/m2
Release rate at 180s	105.1	108.8	103.4	105.8	kW/m2
After ignition at 300s	114.4	114.9	109.3	112.9	kW/m2
Total heat released	127.7	132.6	128.1	129.5	MJ/m2
Average effective heat of combustion	12.9	13.4	13.1	13.1	MJ/kg

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results relate only to the sample or samples tested. The above test results are designed to provide THE
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content and format of the advertisement have been approved in advance by the Managing Director of
AWTA Ltd.



[Signature]

[Signature]
MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

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Initial thickness	13.0	13.0	13.0	13.0	mm
Initial mass	96.6	96.5	96.6	96.6	g
Mass remaining	16.1	16.1	17.2	16.5	g
Mass percentage pyrolysed	83.3	83.3	82.2	82.9	%
Mass loss	80.5	80.4	79.4	80.1	g
Average rate of mass loss	5.5	5.5	5.4	5.5	g/m2.s

Observations: Note: All calculations are based on Ignition + 30 Minutes

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

Observations:

"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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