

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 : 7-598804-CV
ISSUE DATE : 06/08/2014
PRINT DATE : 06/08/2014

SAMPLE DESCRIPTION Clients Ref: "Sample 15144 Formica Magnetic Metallic Whiteboard High Pressure Laminate"
Laminated MDF panel Colour: White
Nominal Composition: Layers of Kraft paper bonded together with a phenol resin system. Decorative and overlay paper on top surface.

Embedded metal foil layer through centre of the HDL.
Adhered to 13mm MDF for testing purposes
Nominal 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:-

	Specimen			Mean	
	1	2	3		
Average Heat Release Rate at 50kW/m2	65.3	54.9	70.6	63.6	kW/m2
Group Number Classification (In Accordance with New Zealand Building Code Verification Method C/VM2 Appendix A)	3	3	3		
Average Specific Extinction Area (According to ISO 5660.2-2002)	95.4	140.3	82.7	106.1	m2/kg

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APPROVED SIGNATORY

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

0204/11/06

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Test orientation: horizontal

	Specimen			Mean	
	1	2	3	50	
Irradiance	50	50	50	50	kW/m2
Exhaust flow rate	24	24	24	24	l/s
Time to sustained flaming	44	29	30	34	s
Test duration	1844	1829	1830	1834	s

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

Peak heat release after ignition	201.5	206.2	224.7	210.8	kW/m2
Average heat at 60s	86.3	100.0	102.1	96.1	kW/m2
Release rate at 180s	44.7	49.5	50.4	48.2	kW/m2
After ignition at 300s	33.2	34.9	38.1	35.4	kW/m2
Total heat released	117.6	98.9	127.5	114.7	MJ/m2
Average effective heat of combustion	12.1	10.4	13.1	11.9	MJ/kg

Initial thickness	13.0	13.0	13.0	13.0	mm
Initial mass	119.9	118.5	119.0	119.1	g
Mass remaining	40.5	40.6	39.9	40.3	g
Mass percentage pyrolysed	66.2	65.7	66.5	66.1	%
Mass loss	79.4	77.9	79.1	78.8	g
Average rate of mass loss	5.4	5.3	5.4	5.4	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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