

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N. 43 006 014 106

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TEST REPORT

CLIENT : THE LAMINEX GROUP
PO BOX 720
WENDOUREE VIC 3355

TEST NUMBER : 7-590428-CV
ISSUE DATE : 24/04/2013
PRINT DATE : 24/04/2013

SAMPLE DESCRIPTION Clients Ref: "B Samples"
Nom: 18mm Superfine particle board
Thickness: 18mm 11600g/m2

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	87.9	81.4	78.2	82.5	kW/m2

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

	1	2	3	Mean
Average Specific Extinction Area (According to ISO 5660.2-2002)	37.1	30.3	53.9	40.4

Test orientation: Horizontal

	Specimen			Mean	
	1	2	3		
Irradiance	50	50	50	50	kW/m2
Exhaust flow rate	24	24	24	24	l/s
Time to sustained flaming	27	28	29	28	s
Test duration	1827	1828	1829	1828	s

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

Peak heat release after ignition	207.6	214.1	203.9	208.5	kW/m2
Average heat at 60s	174.5	179.5	170.4	174.8	kW/m2
Release rate at 180s	155.1	159.4	149.5	154.7	kW/m2
After ignition at 300s	137.0	141.5	136.1	138.2	kW/m2
Total heat released	158.1	146.6	141.0	148.6	MJ/m2
Average effective heat of combustion	13.6	12.4	12.4	12.8	MJ/kg

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Samples, and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. The above test results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY.

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APPROVED SIGNATORY

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

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Initial thickness	18.0	18.0	18.0	18.0	mm
Initial mass	124.2	127.6	120.0	123.9	g
Mass remaining	21.0	22.6	19.2	20.9	g
Mass percentage pyrolysed	83.1	82.3	84.0	83.1	%
Mass loss	103.2	105.0	100.8	103.0	g
Average rate of mass loss	6.4	6.6	6.3	6.4	g/m ² .s

Tests were conducted with a wire grid placed over the sample during testing
This was done to contain intumescing 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 cirterion for the assessment of performance under real fire conditions"

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(END OF REPORT)

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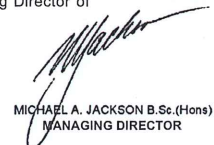
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