

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N. 43 006 014 106
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 : 7-590424-CV
ISSUE DATE : 24/04/2013
PRINT DATE : 24/04/2013

SAMPLE DESCRIPTION Clients Ref: "A Samples"
Nom: 12mm Lakepine MDF
Thickness: 12mm 8600 g/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:-

	1	Specimen 2	3	Mean	
Average Heat Release Rate at 50kW/m2	55.0	65.0	65.5	61.8	kW/m2

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

	1	2	3	Mean
	3	3	3	3

Average Specific Extinction Area (According to ISO 5660.2-2002)

	1	2	3	Mean
	36.5	75.5	48.8	53.6

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	29	26	25	27	s
Test duration	1829	1826	1825	1827	s

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

	1	2	3	Mean	
Peak heat release after ignition	324.3	367.8	316.8	336.3	kW/m2
Average heat at 60s	132.8	144.6	130.6	136.0	kW/m2
Release rate at 180s	142.8	147.7	140.1	143.5	kW/m2
After ignition at 300s	129.3	133.5	128.1	130.3	kW/m2
Total heat released	99.0	117.0	118.0	111.3	MJ/m2
Average effective heat of combustion	10.8	12.6	13.0	12.1	MJ/kg

199702

1

CONTINUED NEXT PAGE

PAGE 1

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved

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.

This document shall not be reproduced except in full and shall be rendered void if amended or altered.

This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the
content and format of the advertisement have been approved in advance by the Managing Director of
AWTA Ltd.



APPROVED SIGNATORY

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

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N. 43 006 014 106
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 : 7-590424-CV
ISSUE DATE : 24/04/2013
PRINT DATE : 24/04/2013

Initial thickness	12.0	12.0	12.0	12.0	mm
Initial mass	87.3	88.3	86.0	87.2	g
Mass remaining	12.2	12.7	12.2	12.4	g
Mass percentage pyrolysed	86.0	85.6	85.8	85.8	%
Mass loss	75.1	75.6	73.8	74.8	g
Average rate of mass loss	5.1	5.1	5.0	5.1	g/m2.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"

199702

1

(END OF REPORT)

PAGE 2

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved

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.

This document shall not be reproduced except in full and shall be rendered void if ammended or altered.

This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved in advance by the Managing Director of AWTA Ltd.




APPROVED SIGNATORY


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