

# 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 : 7-598329-CV  
ISSUE DATE : 09/07/2014  
PRINT DATE : 09/07/2014  
ORDER NUMBER : 1946

SAMPLE DESCRIPTION Clients Ref: "15072"  
Product Name: Craftwood E0 STD/MRMDF  
Composition: Softwood fibres bonded with resin. Available  
in STD or MR grade  
Thickness: 18mm Density: 730kg/m3

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

Results:-

	1	Specimen 2	3	Mean	
Average Heat Release Rate	61.0	51.2	56.8	56.3	kW/m2
Average Specific extinction area (according to Specification C1.10 of the Building Code of Australia)	38.6	41.1	61.3	47.0	m2/kg

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	38	38	37	38	s
Test duration	3600	3600	3600	3600	s

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

Peak heat release after ignition	197.7	204.5	201.8	201.3	kW/m2
Average heat at 60s	149.9	158.2	154.7	154.3	kW/m2
Release rate at 180s	150.9	155.2	152.9	153.0	kW/m2
After ignition at 300s	136.1	140.3	139.0	138.5	kW/m2
Total heat released	217.1	182.3	202.2	200.5	MJ/m2
Average effective heat of combustion	15.3	12.9	14.4	14.2	MJ/kg

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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

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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	129.3	129.9	128.6	129.3	g
Mass remaining	14.2	14.8	14.5	14.5	g
Mass percentage pyrolysed	89.0	88.6	88.7	88.8	%
Mass loss	115.1	115.1	114.1	114.8	g
Average rate of mass loss	4.0	4.0	3.9	4.0	g/m2.s

The formulae given in the Building Code of Australia 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 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

The results of these fire tests may be used to directly assess fire hazard but it should be recognised that a single test method will not provide a full assessment of of fire hazard under all fire conditions

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( END OF REPORT )

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