

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 : RMAX
PO BOX 51
WEST FOOTSCRAY VIC 3012

TEST NUMBER : 7-570034-CV
ISSUE DATE : 27/11/2009
PRINT DATE : 26/11/2010

SAMPLE DESCRIPTION Clients Ref: "RMAX ThermaStar"
Silver foil faced and backed EPS insulation panels
Colour: Silver Face
Nom. Comp: EPS/Foil Nom. Mass: 890g/m2
Nom. Thickness: 20.00mm
End Use: Wall/Roof/Flooring Insulation

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

Results:-

	Specimen			Mean	
	1	2	3		
Average Heat Release Rate	75.6	85.0	68.0	76.2	kW/m2
Average Specific extinction area (according to Specification C1.10 of the Building Code of Australia)	808.0	904.5	795.3	835.9	m2/kg

BCA Classification:-
Group Classification 1 1 1
(according to Specification A2.4 of the Building Code of Australia)

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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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Test orientation: Horizontal

	Specimen				
	1	2	3	Mean	
Irradiance	50	50	50	50	kW/m ²
Exhaust flow rate	24	24	24	24	l/s
Time to sustained flaming	90	262	162	171	s
Test duration	360	475	455	430	s

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

Peak heat release after ignition	187.9	238.2	201.4	209.2	kW/m ²
Average heat at 60s	98.7	188.9	77.7	121.8	kW/m ²
Release rate at 180s	110.3	97.9	107.6	105.3	kW/m ²
After ignition at 300s	75.6	N/A	67.9	71.8	kW/m ²
Total heat released	20.5	18.3	19.8	19.5	MJ/m ²
Average effective heat of combustion	21.4	24.5	20.8	22.2	MJ/kg

Initial thickness	20.0	20.0	20.0	20.0	mm
Initial mass	9.5	8.8	10.2	9.5	g
Mass remaining	0.7	0.5	1.3	0.8	g
Mass percentage pyrolysed	92.6	94.3	87.3	91.4	%
Mass loss	8.8	8.3	8.9	8.7	g
Average rate of mass loss	3.5	3.5	3.3	3.4	g/m ² .s

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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