

# 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 : FRAS LONGWALL PTY LTD  
58 RENWICK STREET  
GLEN IRIS VIC 3146

TEST NUMBER : 7-586677-CV  
ISSUE DATE : 22/08/2012  
PRINT DATE : 23/11/2012

SAMPLE DESCRIPTION Clients Ref: "Melafoam Acoustics Panel"  
Nominal Composition: 100% Melamine foam  
Density: 4-12 kg/m<sup>3</sup>  
End Use: Acoustic Panelling

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	fti	fti	fti	fti	kW/m <sup>2</sup>
Average Specific extinction area (according to Specification C1.10 of the Building Code of Australia)	478.1	492.0	640.0	537.0	m <sup>2</sup> /kg

Test orientation: Horizontal

	1	Specimen 2	3	Mean	
Irradiance	50	50	50	50	kW/m <sup>2</sup>
Exhaust flow rate	24	24	24	24	l/s
Time to sustained flaming	fti	fti	fti	fti	s
Test duration	600	600	600	600	s
Initial thickness	40.0	40.0	40.0	40.0	mm
Initial mass	3.7	3.8	4.4	4.0	g
Mass remaining	1.7	1.5	2.2	1.8	g
Mass percentage pyrolysed	54.1	60.5	50.0	54.9	%
Mass loss	2.0	2.3	2.2	2.2	g
Average rate of mass loss	0.4	0.5	0.5	0.5	g/m <sup>2</sup> .s

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-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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fti = failed to ignite  
Specimens tested failed to ignite within 10 minutes and testing was ceased  
as per section 2.5.2(i)

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 fire hazard under all fire conditions

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( END OF REPORT )

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