

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
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Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

CLIENT : FOILBOARD AUSTRALIA PTY LTD
9 DISSIK STREET
CHELTENHAM VIC 3192

TEST NUMBER : 7-563811-CV
DATE : 10/12/2008
ORDER NUMBER : ATA271108

SAMPLE DESCRIPTION "Foil faced expanded polystyrene sandwich panel"
Colour: Silver Face/Green Back
Nom. Comp: EPS/Foil Nom. Mass: 330g/m²
Nom. Thickness: 15.00mm
End Use: 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	FTI	FTI	FTI	FTI	kW/m ²
Average Specific extinction area	160.2	79.2	50.9	96.8	m ² /kg
(according to Specification C1.10 of the Building Code of Australia)					

BCA Classification:-

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

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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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0204/11/06

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/m2
Exhaust flow rate	24	24	24	24	l/s
Time to sustained flaming FTI	FTI	FTI	FTI	FTI	s
Test duration	600	600	600	600	s

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

Peak heat release after ignition	15.0	15.0	15.0	15.0	kW/m2
Average heat at 60s	3.6	3.6	3.6	3.6	kW/m2
Release rate at 180s	3.6	3.3	3.1	3.3	kW/m2
After ignition at 300s	0.0	8.3	13.9	7.4	kW/m2
Total heat released	0.0	0.3	0.5	0.3	MJ/m2
Average effective heat of combustion	0.0	0.1	0.1	0.1	MJ/kg

Observations:

FTI = Failed to Ignite

Specimens failed to ignite within 10 minutes and testing was ceased as per Section 2.5.3(i)

This product has a heat release rate of less than 50kW/m2. The formulas given in the Building Code of Australia do not allow the calculation of a Group in these circumstances. A product with very low heat release rates like this product is classified as a Group 1 material or better according to advice from the Australian Building Codes Board

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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