

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 : SUPAWALL PTY LTD
4/14 DONOVAN STREET
OSBORNE PARK WA 6017

TEST NUMBER : 7-574344-CW
ISSUE DATE : 18/08/2010
PRINT DATE : 19/08/2010

SAMPLE DESCRIPTION Clients Ref: "Supaboard"
MgO Board
Nominal composition: 49% MGO 23% Perlite 28% Sawdust
Nominal density: 1.2kg per L Colour: White
End use: Construction Board

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/m2
Average Specific extinction area (according to Specification C1.10 of the Building Code of Australia)	4.2	0.0	5.6	3.3	m2/kg

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

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	fti	fti	fti	fti	s
Test duration	600	600	600	600	s

Initial thickness	10.0	10.0	10.0	10.0	mm
Initial mass	109.2	110.8	112.7	110.9	g
Mass remaining	86.0	89.6	91.2	88.6	g
Mass percentage pyrolysed	21.2	19.1	19.1	19.8	%
Mass loss	23.2	21.2	21.5	22.0	g
Average rate of mass loss	4.4	4.0	4.1	4.1	g/m2.s

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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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JRM

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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(1)

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 advise 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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