

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 : WOVEN IMAGE PTY LTD
37-39 CHARD ROAD
BROOKVALE NSW 2100

TEST NUMBER : 7-595668-CN
ISSUE DATE : 23/01/2014
PRINT DATE : 23/01/2014

SAMPLE DESCRIPTION Clients Ref: "EchoPanel 24mm"
Grey Panel
Nom Com: 100% Pet (60% Recycled)
Nom Mass: 3000g/m2
Primary Use: Screen Panel

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	140.9	130.4	142.8	138.0	kW/m2

Average Specific extinction area (according to Specification C1.10 of the Building Code of Australia)	435.0	430.5	432.2	432.6	m2/kg
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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	60	60	57	59	s
Test duration	400	413	396	403	s

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

Peak heat release after ignition	692.3	663.2	733.3	696.3	kW/m2
Average heat at 60s	391.6	398.9	406.0	398.8	kW/m2
Release rate at 180s	237.7	232.5	242.4	237.5	kW/m2
After ignition at 300s	156.7	150.5	158.7	155.3	kW/m2
Total heat released	48.0	46.3	48.6	47.6	MJ/m2
Average effective heat of combustion	15.9	15.7	16.6	16.1	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	24.0	24.0	24.0	24.0	mm
Initial mass	29.2	29.4	29.2	29.3	g
Mass remaining	2.4	3.2	2.7	2.8	g
Mass percentage pyrolysed	91.8	89.1	90.8	90.5	%
Mass loss	26.8	26.2	26.5	26.5	g
Average rate of mass loss	8.8	8.3	8.6	8.6	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

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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