

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
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1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
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TEST REPORT

CLIENT : GERFLOR AUSTRALASIA PTY LTD
17 CATO STREET
HAWTHORN EAST VIC 3123

TEST NUMBER : 7-581395-CV
ISSUE DATE : 14/10/2011
PRINT DATE : 14/10/2011

SAMPLE DESCRIPTION Clients Ref: "DecoTrend"
2mm Brushed Aluminium with Protector

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	60.2	52.6	48.9	53.9	kW/m2
Average Specific extinction area (according to Specification C1.10 of the Building Code of Australia)	347.5	241.8	314.7	301.3	m2/kg

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	127	122	110	120	s
Test duration	426	579	585	530	s

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

Peak heat release after ignition	113.9	103.9	92.1	103.3	kW/m2
Average heat at 60s	99.7	89.7	82.0	90.5	kW/m2
Release rate at 180s	84.2	81.0	81.1	82.1	kW/m2
After ignition at 300s	59.9	62.5	61.8	61.4	kW/m2
Total heat released	20.8	27.3	25.7	24.6	MJ/m2
Average effective heat of combustion	8.0	8.7	8.0	8.2	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

0204/11/06

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Initial thickness	8.0	8.0	8.0	8.0	mm
Initial mass	118.1	120.6	118.5	119.1	g
Mass remaining	92.3	90.6	89.0	90.6	g
Mass percentage pyrolysed	21.8	24.9	24.9	23.9	%
Mass loss	25.8	30.0	29.5	28.4	g
Average rate of mass loss	7.5	6.1	6.1	6.5	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

Samples were loose laid onto a substrate of 6mm thick cement sheeting prior to testing
Tests were conducted with a wire grid placed over the sample during testing
This was done to contain intumescent sample within the sample holder

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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MANAGING DIRECTOR