

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 : VERTILUX PTY LTD
PO BOX 611
TULLAMARINE VIC 3043

TEST NUMBER : 7-563474-BV
DATE : 25/11/2008
ORDER NUMBER : 71425

SAMPLE DESCRIPTION Clients Ref: "Euroscreen Metallised"
Woven Panama Weave Fabric Colour: Gravel/Silver
Nom. Comp: 100% Trevira CS, one side aluminized
Nom. Mass: 170g/m²
Nom. Thickness: 0.36mm

AS/NZS 3837:1998 Method of Test for Heat and Smoke Release Rates
for Materials and Products Using an Oxygen
Consumption Calorimeter

Results:-

	Specimen 1	2	3	Mean	
Average Heat Release Rate	31.2	28.8	26.9	29.0	kW/m ²
Average Specific extinction area	808.7	807.1	786.5	800.7	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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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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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	43	47	30	40	s
Test duration	240	304	282	275	s

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

Peak heat release after ignition	88.3	127.2	123.0	112.8	kW/m2
Average heat at 60s	54.5	52.0	54.5	53.7	kW/m2
Release rate at 180s	32.3	33.8	31.4	32.5	kW/m2
After ignition at 300s	N/A	28.8	26.9	27.9	kW/m2
Total heat released	6.2	7.5	6.8	6.8	MJ/m2
Average effective heat of combustion	33.8	47.7	35.2	38.9	MJ/kg
Initial thickness	0.4	0.4	0.4	0.4	mm
Initial mass	1.6	1.6	1.9	1.7	g
Mass remaining	0.0	0.1	0.1	0.1	g
Mass percentage pyrolysed	100.0	93.8	94.7	96.2	%
Mass loss	1.6	1.5	1.8	1.6	g
Average rate of mass loss	0.9	0.6	0.8	0.8	g/m2.s

Tests were conducted with a simulated airgap, consisting of the sample resting on a 12mm spacer

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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