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 : 7-597891-BV
ISSUE DATE : 17/06/2014
PRINT DATE : 17/06/2014
ORDER NUMBER : 102555

SAMPLE DESCRIPTION Clients Ref: "EuroVision Metalised"
Woven coated (metalised) fabric
Nom Com: 100% Trevira CS
Nom Weight: 285g/m2 Nom Thickness: 0.46mm
End Use: Blinds
Colour tested: Zagreb (black)

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	31.0	31.0	31.2	31.1	kW/m2
Average Specific extinction area	678.6	671.5	724.0	691.4	m2/kg

(according to Specification C1.10 of the Building Code of Australia)

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	48	49	49	49	s
Test duration	228	222	228	226	s

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

Peak heat release after ignition	209.8	210.6	212.5	211.0	kW/m2
Average heat at 60s	78.9	75.5	78.9	77.8	kW/m2
Release rate at 180s	31.0	31.0	30.9	31.0	kW/m2
After ignition at 300s	N/A	N/A	N/A	N/A	kW/m2
Total heat released	5.6	5.4	5.6	5.5	MJ/m2
Average effective heat of combustion	16.4	15.4	16.6	16.1	MJ/kg

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NATA

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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AWTA LIMITED

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

APPROVED SIGNATORY

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Initial thickness	0.5	0.5	0.5	0.5	mm
Initial mass	2.8	2.9	2.8	2.8	g
Mass remaining	0.0	0.0	0.0	0.0	g
Mass percentage pyrolysed	100.0	100.0	100.0	100.0	%
Mass loss	2.8	2.9	2.8	2.8	g
Average rate of mass loss	1.9	2.0	1.9	1.9	g/m2.s

The formulae given in the Building Code of Austalia 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

Tests were conducted with a simulated airgap, consisting of the sample resting on a 12mm spacer
Tests were conducted with a wire grid placed over the sample during testing
This was done to contain the sample within the sample holder and to stop the sample from curling around the igniter

"The 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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MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

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