

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 : PACIFIC FLOORS
LEVEL 4
15 CLAREMONT STREET
SOUTH YARRA VIC 3121
AUST

TEST NUMBER : 7-594041-BV
ISSUE DATE : 15/10/2013
PRINT DATE : 15/10/2013

SAMPLE DESCRIPTION Clients Ref: "Chilewich - Basketweave"
Woven fabric with scrim backing
Nom Com: Face: 85% Vinyl, 15% fibreglass
backing: 100% Polyester scrim
Nom Weight: 0.92kg/m2 Nom thickness: 1.4mm
End Use: Wall coverings

ISO 5660.1-2002 Reaction to Fire Tests - Heat Release Smoke Production
and Mass Loss Rate
Part 1: Heat Release Rate (Cone Calorimeter Method)

RESULTS:-

	Specimen			Mean	
	1	2	3		
Average Heat Release Rate at 50kW/m2	14.5	10.4	12.0	12.3	kW/m2

Group Number Classification (In Accordance with New Zealand Building Code Verification Method C/VM2 Appendix A)

	Specimen			Mean	
	1	2	3		
Group Number Classification	3	2S	2S		

	Specimen			Mean	
	1	2	3		
Average Specific Extinction Area (According to ISO 5660.2-2002)	274.5	211.5	205.0	230.3	m2/kg

Test orientation: Horizontal

	Specimen			Mean	
	1	2	3		
Irradiance	50	50	50	50	kW/m2
Exhaust flow rate	24	24	24	24	l/s
Time to sustained flaming	14	11	13	13	s
Test duration	1814	1811	1813	1813	s

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

	Specimen			Mean	
	1	2	3		
Peak heat release after ignition	142.8	139.1	136.6	139.5	kW/m2
Average heat at 60s	126.1	108.1	118.8	117.7	kW/m2
Release rate at 180s	64.8	62.4	64.3	63.8	kW/m2
After ignition at 300s	46.7	44.2	46.1	45.7	kW/m2
Total heat released	26.2	18.6	21.7	22.2	MJ/m2
Average effective heat of combustion	9.5	6.6	7.7	7.9	MJ/kg

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APPROVED SIGNATORY

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

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Initial thickness	11.4	11.4	11.4	11.4	mm
Initial mass	72.7	73.7	74.3	73.6	g
Mass remaining	50.1	50.8	51.3	50.7	g
Mass percentage pyrolysed	31.1	31.1	31.0	31.0	%
Mass loss	22.6	22.9	23.0	22.8	g
Average rate of mass loss	1.5	1.6	1.6	1.6	g/m2.s

Note: All calculations are based on ignition +30 minutes

Samples were adhered to a substrate of 10mm thick plasterboard using Professional Ultra Clear PRO 880 wallcovering adhesive prior to testing. 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.

If a different classification group is obtained for different specimens tested, then the highest (worst) classification for any specimen must be taken as the final classification for the material.

Observations:

"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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