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 : HALIFAX VOGEL GROUP PTY LTD
29 HENDERSON STREET
TURRELLA NSW 2205

TEST NUMBER : 7-589176-CN
ISSUE DATE : 06/02/2013
PRINT DATE : 06/02/2013

SAMPLE DESCRIPTION Clients Ref: "Designer White 354 K-01"
Nom: Designer White 354K-01 Gloss Finish 983 g/m2
Comp: High Pressure Laminate with Paper Layers
End Use: Benchtops and Wall linings

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	39.7	40.3	38.3	39.4	kW/m2
Average Specific extinction area	11.9	2.3	7.2	7.1	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	33	44	51	43	s
Test duration	219	216	225	220	s

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

Peak heat release after ignition	117.2	133.9	128.1	126.4	kW/m2
Average heat at 60s	84.7	87.7	82.1	84.8	kW/m2
Release rate at 180s	40.6	40.3	38.3	39.7	kW/m2
After ignition at 300s	N/A	N/A	N/A	N/A	kW/m2
Total heat released	7.5	7.0	6.8	7.1	MJ/m2
Average effective heat of combustion	6.9	7.3	6.9	7.0	MJ/kg

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

APPROVED SIGNATORY

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

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Initial thickness	7.0	7.0	7.0	7.0	mm
Initial mass	95.3	91.1	92.3	92.9	g
Mass remaining	86.0	81.7	82.8	83.5	g
Mass percentage pyrolysed	9.8	10.3	10.3	10.1	%
Mass loss	9.3	9.4	9.5	9.4	g
Average rate of mass loss	5.6	5.5	5.6	5.6	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

Samples were adhered to a substrate of 6mm thick cement sheet using Spray-Lock 1500 Wall Panel adhesive prior to testing.

Tests were conducted with a wire grid placed over the sample during testing. This was done to contain intumescing 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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