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 : 1300FACADE PTY LTD
PO BOX 488
FAIRY MEADOW NSW 2519

TEST NUMBER : 7-590841-CN
ISSUE DATE : 14/05/2013
PRINT DATE : 14/05/2013

SAMPLE DESCRIPTION Clients Ref: "FunderMax (High Pressure Laminate)"
Surface: NT Surface
Rigid sandwich panel Colour: Brown
Nominal Composition: Acrylic/Polyurethane outer skins, F-core centre
Re: Tamworth Hospital Project

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	35.1	39.7	33.6	36.1	kW/m2
Average Specific extinction area	1.8	0.4	0.3	0.8	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	31	32	31	31	s
Test duration	3600	3600	3600	3600	s

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

Peak heat release after ignition	106.2	114.5	145.2	121.9	kW/m2
Average heat at 60s	85.7	85.1	92.2	87.7	kW/m2
Release rate at 180s	62.2	63.6	66.2	64.0	kW/m2
After ignition at 300s	55.2	58.4	57.3	57.0	kW/m2
Total heat released	125.0	141.5	120.0	128.8	MJ/m2
Average effective heat of combustion	12.5	13.9	12.2	12.8	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	8.0	8.0	8.0	8.0	mm
Initial mass	113.0	113.2	113.2	113.1	g
Mass remaining	31.3	30.2	33.0	31.5	g
Mass percentage pyrolysed	72.3	73.3	70.8	72.2	%
Mass loss	81.7	83.0	80.2	81.6	g
Average rate of mass loss	2.8	2.9	2.8	2.8	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 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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