

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
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TEST REPORT

CLIENT : ELTON GROUP
194b GRANGE ROAD
FAIRFIELD VIC 3078

TEST NUMBER : 7-573758-CV
ISSUE DATE : 15/07/2010
PRINT DATE : 15/07/2010

SAMPLE DESCRIPTION Timber wallpaper adhered to MDF board
Colour: Natural Approx thickness: 13.5mm
Nominally: Sanfoot Walnut timber wallpaper laid on 12mm
arreis FR MDF board with cross linked PVA glue

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	15.4	14.8	15.8	15.3	kW/m2
Average Specific extinction area (according to Specification C1.10 of the Building Code of Australia)	19.4	32.2	8.2	19.9	m2/kg

BCA Classification:-
Group Classification 1 1 1
(according to Specification A2.4 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	92	93	82	89	s
Test duration	282	279	267	276	s

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

Peak heat release after ignition	44.9	48.3	56.3	49.8	kW/m2
Average heat at 60s	27.5	31.0	26.7	28.4	kW/m2
Release rate at 180s	15.9	15.2	16.2	15.8	kW/m2
After ignition at 300s	N/A	N/A	N/A	N/A	kW/m2
Total heat released	3.9	3.4	3.2	3.5	MJ/m2
Average effective heat of combustion	1.9	1.8	1.8	1.8	MJ/kg

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-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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Initial thickness	13.5	13.5	13.5	13.5	mm
Initial mass	101.9	101.7	96.8	100.1	g
Mass remaining	87.6	87.5	81.7	85.6	g
Mass percentage pyrolysed	14.0	14.0	15.6	14.5	%
Mass loss	14.3	14.2	15.1	14.5	g
Average rate of mass loss	8.1	8.3	9.0	8.5	g/m ² .s

Samples were tested as supplied by client
Tests were conducted with a wire grid placed over the sample during testing.
This was done to contain intumescent sample within the sample holder

The sample has a heat release rate of less than 50kW/m². The formulas given in the Building Code of Australia do not allow the calculation of a group in these circumstances. A product with very low heat release rates like this product is classified as a group 1 material or better according to advise from the Australian Building Codes Board

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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[Signature]

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