

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 : 3M AUSTRALIA PTY LTD
PO BOX 99
PYMBLE NSW 2073

TEST NUMBER : 7-553990-BN
DATE : 02/08/2007
ORDER NUMBER : S56781

REPLACEMENT OF REPORT NO 7-551253-BN DATED 20/03/2007

SAMPLE DESCRIPTION Clients ref: DiNoc film - Metallic pattern
Film with self adhesive backing submitted
Nominally: PVC with embossed PVC overlamine

AS/NZS 3837:1998 Method of Test for Heat and Smoke Release Rates
for Materials and Products Using an Oxygen
Consumption Calorimeter

Results:-

	1	Specimen 2	3	Mean	
Average Heat Release Rate	36.3	39.5	35.7	37.2	kW/m2
Average Specific extinction area (according to Specification C1.10 of the Building Code of Australia)	190.7	165.9	155.3	170.6	m2/kg
BCA Classification:- Group Classification (according to Specification A2.4 of the Building Code of Australia)	1	2	1		

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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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Sandolac
APPROVED SIGNATORY

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

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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		16	13	21	17	s
Test duration		153	156	171	160	s

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

Peak heat release after ignition	155.3	165.9	126.8	149.3	kW/m2
Average heat at 60s	70.2	79.6	65.1	71.6	kW/m2
Release rate at 180s	36.3	39.5	35.7	37.2	kW/m2
After ignition at 300s	N/A	N/A	N/A	N/A	kW/m2
Total heat released	4.9	5.7	5.4	5.3	MJ/m2
Average effective heat of combustion	6.0	6.8	5.5	6.1	MJ/kg

Initial thickness	10.6	10.6	10.6	10.6	mm
Initial mass	66.4	66.9	69.2	67.5	g
Mass remaining	58.8	59.3	60.2	59.4	g
Mass percentage pyrolysed	11.4	11.4	13.0	11.9	%
Mass loss	7.6	7.6	9.0	8.1	g
Average rate of mass loss	6.1	5.8	6.5	6.1	g/m2.s

Observations: Samples were adhered to a substrate of 10mm thick plasterboard prior to testing

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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