

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 : KVADRAT A/S
LUNDBERGSVEJ 10
EBELTOFT 8400
DENMARK

TEST NUMBER : 7-563476-MO
DATE : 27/11/2008

SAMPLE DESCRIPTION Clients ref: "Cava / Remix / Topas"
Three woven fabrics in different styles submitted
Colour: Various
Nominally: Cava 90% wool 10% nylon 340g/m2
Remix 90% wool 10% nylon 340g/m2
Topas 100% wool 450 g/m2

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	44.2	41.9	45.2	43.8	kW/m2
Average Specific extinction area (according to Specification C1.10 of the Building Code of Australia)	27.9	34.2	20.0	27.4	m2/kg

BCA Classification:-

Group Classification 2 2 2
(according to Specification A2.4 of the Building Code of Australia)

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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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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	16	13	12	14	s
Test duration	228	195	198	207	s

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

Peak heat release after ignition	144.4	127.5	162.3	144.7	kW/m2
Average heat at 60s	100.2	93.9	102.9	99.0	kW/m2
Release rate at 180s	49.6	41.9	46.2	45.9	kW/m2
After ignition at 300s	N/A	N/A	N/A	N/A	kW/m2
Total heat released	9.3	7.6	8.4	8.4	MJ/m2
Average effective heat of combustion	9.0	8.1	7.8	8.3	MJ/kg
Initial thickness	10.5	10.5	10.5	10.5	mm
Initial mass	68.1	64.8	65.9	66.3	g
Mass remaining	59.3	57.0	57.2	57.8	g
Mass percentage pyrolysed	12.9	12.0	13.2	12.7	%
Mass loss	8.8	7.8	8.7	8.4	g
Average rate of mass loss	4.9	5.2	5.8	5.3	g/m2.s

Samples were loose laid onto a substrate of 10mm thick plasterboard 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

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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APPROVED SIGNATORY

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MANAGING DIRECTOR