

# 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 : CEASE FIRE TECHNOLOGIES LTD  
104b GOLF LINKS ROAD  
BUDERIM QLD 4556  
TEST NUMBER : 7-571728-CQ  
ISSUE DATE : 30/03/2010  
PRINT DATE : 31/03/2010

SAMPLE DESCRIPTION Clients Ref: "Cease Fire GP Intumescent fire retardant"  
9mm Plaster Board coated with 250 DFT Cease Fire GP  
Intumescent fire retardant - 2 Coats

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	FTI	FTI	FTI	FTI	kW/m2
Average Specific extinction area (according to Specification C1.10 of the Building Code of Australia)	55.0	58.0	66.5	59.8	m2/kg

BCA Classification:-  
Group Classification 1 1 1  
(according to Specification A2.4 of the Building Code of Australia)

Test orientation: Horizontal

	1	Specimen 2	3	Mean	
Irradiance	50	50	50	50	kW/m2
Exhaust flow rate	24	24	24	24	l/s
Time to sustained flaming	FTI	FTI	FTI	FTI	s
Test duration	600	600	600	600	s
Initial thickness	9.0	9.0	9.0	9.0	mm
Initial mass	91.1	92.1	91.8	91.7	g
Mass remaining	77.2	80.3	76.7	78.1	g
Mass percentage pyrolysed	15.3	12.8	16.4	14.8	%
Mass loss	13.9	11.8	15.1	13.6	g
Average rate of mass loss	2.6	2.2	2.8	2.6	g/m2.s

FTI - failed to ignite  
Specimens tested failed to ignite within 10 minutes and testing was ceased  
as per Section 2.5.2(i)

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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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*JRM*

*Michael A. Jackson*

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

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This product has a heat release rate of less than 50kW/m<sup>2</sup>. 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 rate like this product is classified as a Group 1 material or better according to advice 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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MICHAEL A. JACKSON B.Sc.(Hons)  
MANAGING DIRECTOR