

# 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

## Group Number Assessment

(In accordance with AS 5637.1-2015)

This is to confirm that the product as described below has been tested by AWTa Product Testing.

Testing was performed in accordance with AS/NZS 3837-1998 Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter.

Test Sponsor :

Chris Campbell  
Client Relations Manager  
AWTA Product Testing

Test Number : 16-004975  
Issue Date : 07/10/2016  
Print Date : 7/10/2016

**Sponsor Product**

Clients Ref : Metallic Wallcovering  
Film with non-woven backing  
Colour : White  
End Use : Printable Wallpaper  
Nominal Composition : PVC/Polyester  
Nominal Mass per Unit Area/Density : 440g/m<sup>2</sup>  
Nominal Thickness : 0.41mm

Product Group Number Classification :

2

Average Specific Extinction Area :

103.4 m<sup>2</sup>/kg



Chris Campbell  
Client Relations Manager

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## TEST REPORT

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**Sample Description** Clients Ref : Metallic Wallcovering  
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End Use : Printable Wallpaper  
Nominal Composition : PVC/Polyester  
Nominal Mass per Unit Area/Density : 440g/m<sup>2</sup>  
Nominal Thickness : 0.41mm

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

	Specimen			
	1	2	3	Mean
Average Heat Release Rate	39.5	38.3	39.1	39.0 kW/m <sup>2</sup>
Average Specific extinction area	96.3	108.0	105.9	103.4 m <sup>2</sup> /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/m <sup>2</sup>
Exhaust flow rate	24	24	24	24 L/sec
Time to sustained flaming	9	9	9	9 sec
Test duration	213	213	213	213 sec

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- Mechanical Testing : Accreditation No. 985  
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MICHAEL A. JACKSON B.Sc (Hons)  
MANAGING DIRECTOR

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Peak heat release after ignition	103.8	106.2	108.0	106.0	kW/m <sup>2</sup>
Average heat at 60 s	80.6	82.1	83.3	82.0	kW/m <sup>2</sup>
Average heat at 180 s	42.6	41.3	42.3	42.1	kW/m <sup>2</sup>
Average heat at 300 s	n/a	n/a	n/a	n/a	kW/m <sup>2</sup>
Total heat released	8.1	7.8	8.0	8.0	MJ/m <sup>2</sup>
Average effective heat of combustion	6.2	6.1	6.1	6.1	MJ/kg
Initial thickness	10.4	10.4	10.4	10.4	mm
Initial mass	64.6	64.5	63.4	64.2	g
Mass remaining	53.7	54.0	52.4	53.4	g
Mass percentage pyrolysed	16.9	16.3	17.3	16.8	%
Mass loss	10.9	10.5	11.0	10.8	g
Average rate of mass loss	6.4	6.3	6.4	6.4	g/m <sup>2</sup> .s

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 assessment of performance under real fire conditions.

The results of these fire tests may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of the fire hazard under all fire conditions.

Samples were adhered to a substrate of 10mm thick plasterboard using Professional Ultra Clear PRO 880 wallcovering adhesive prior to testing.

Tests were conducted with a wire grid placed over the sample during testing. This was done to contain intumescing sample within the sample holder.

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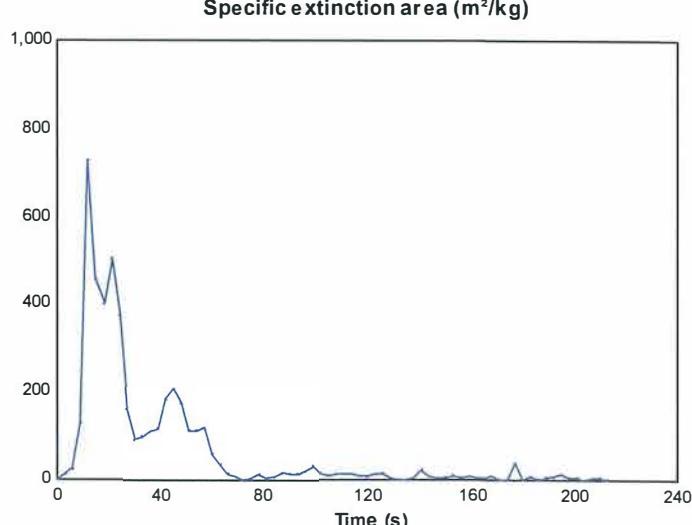
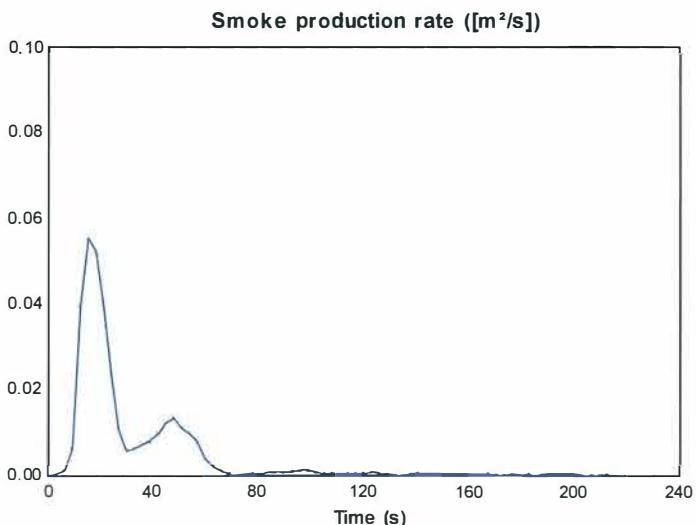
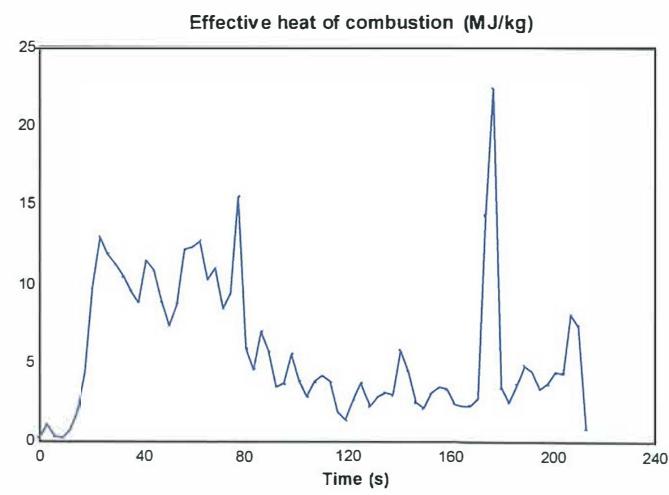
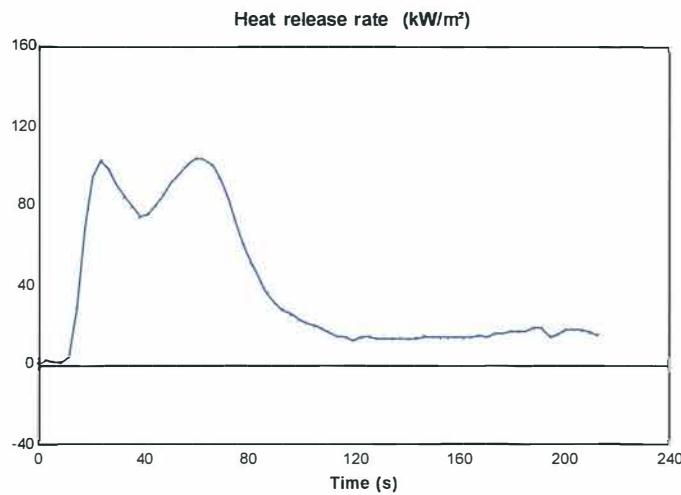
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Specimen : 1



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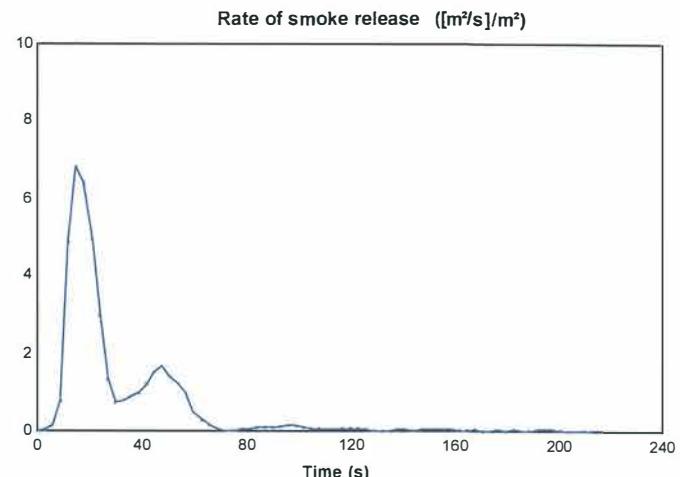
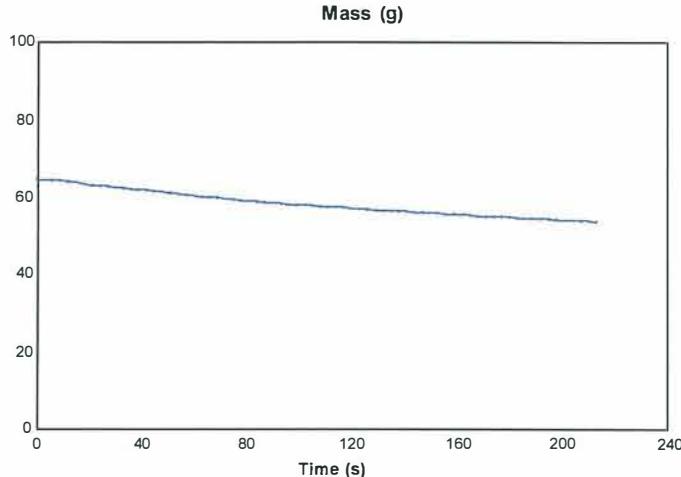
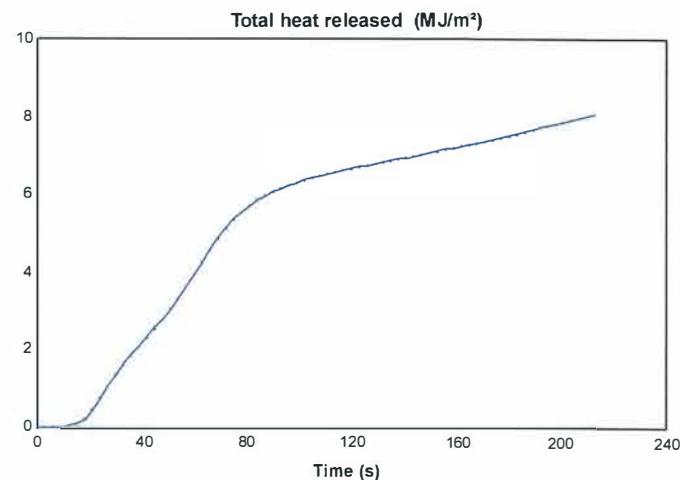
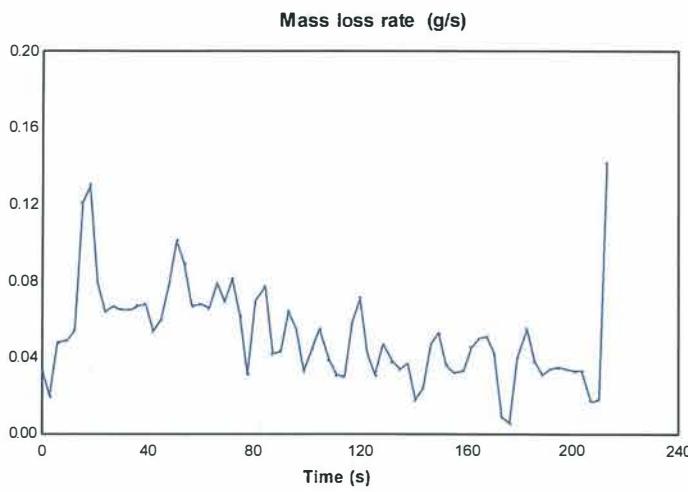
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*M. Jackson*  
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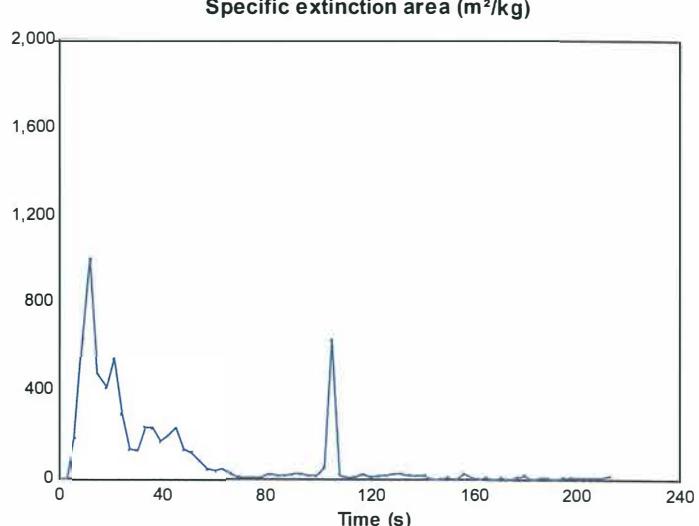
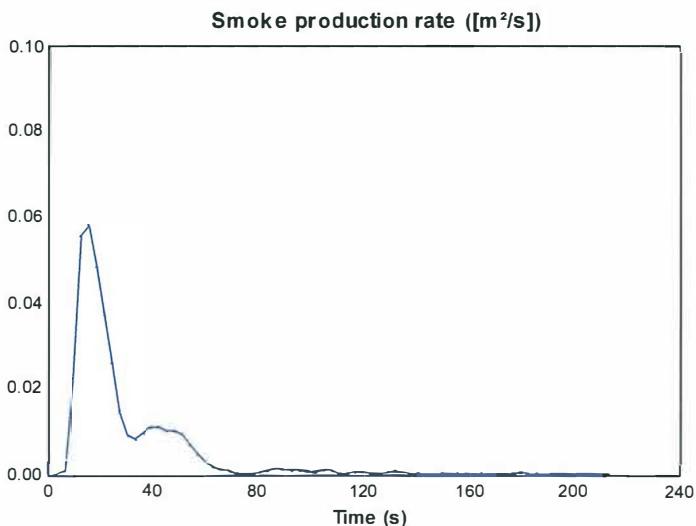
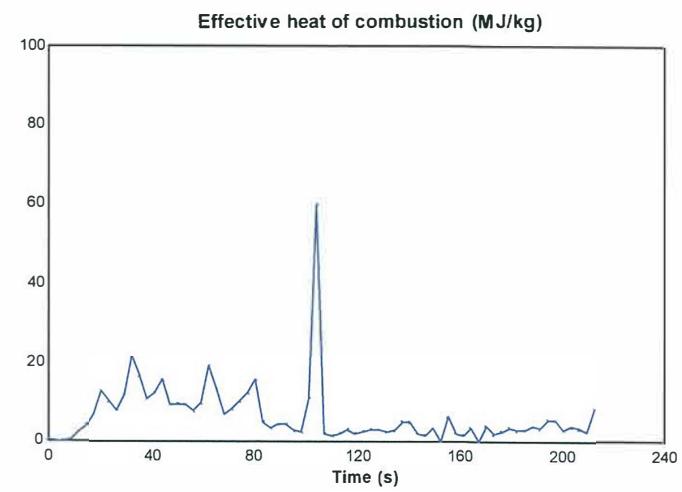
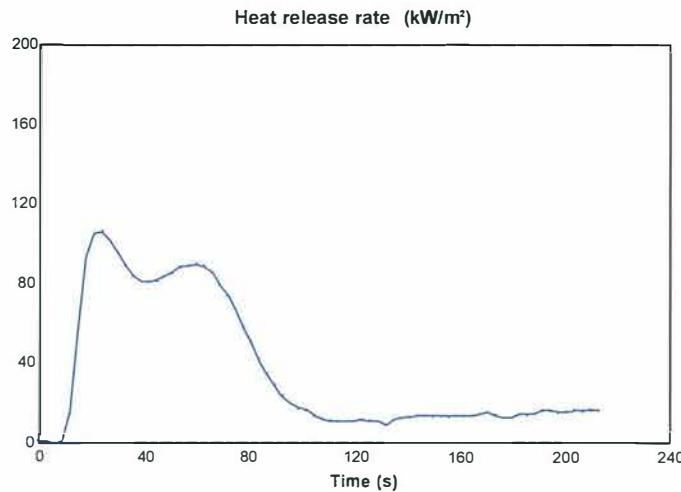
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Specimen : 2



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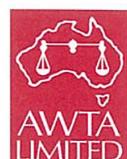
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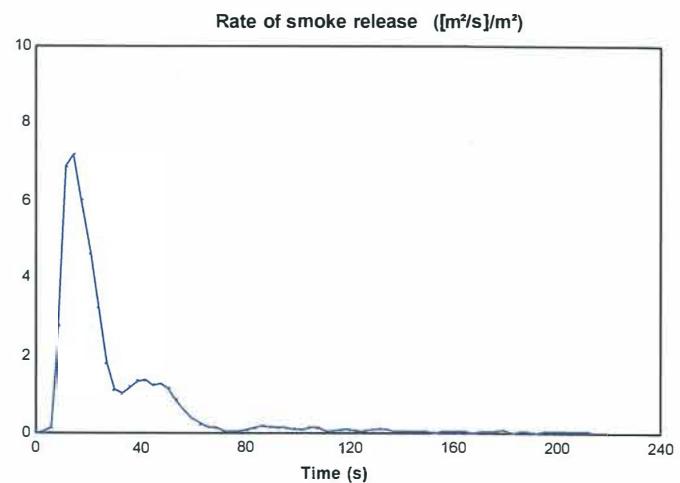
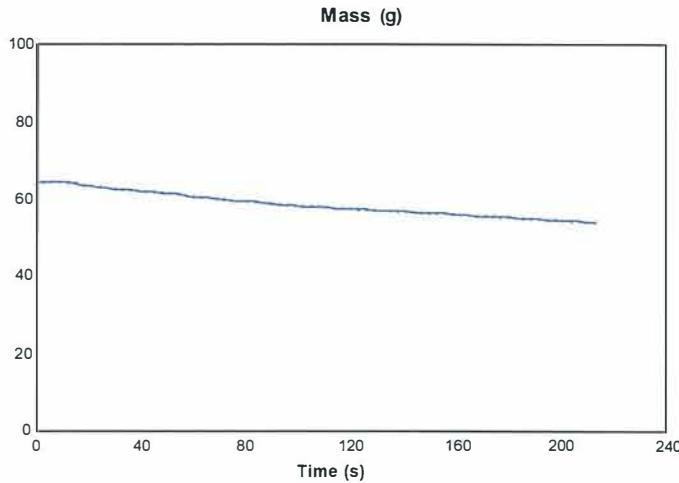
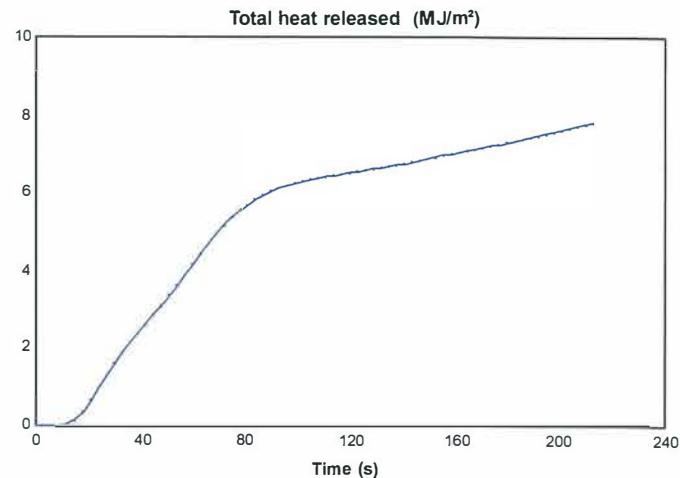
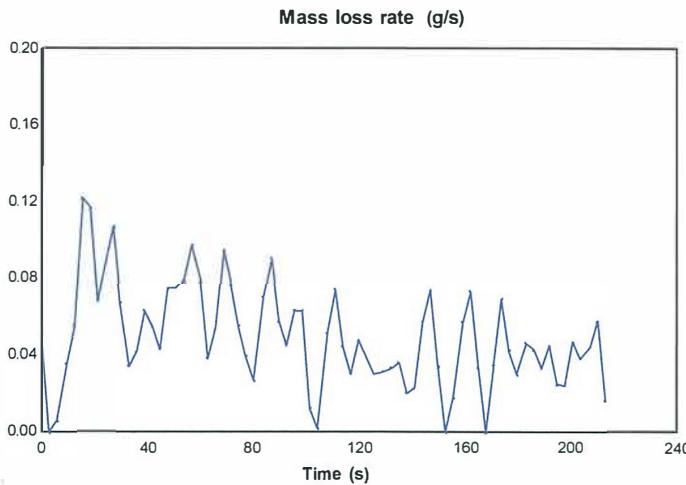
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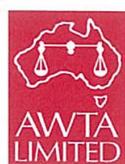
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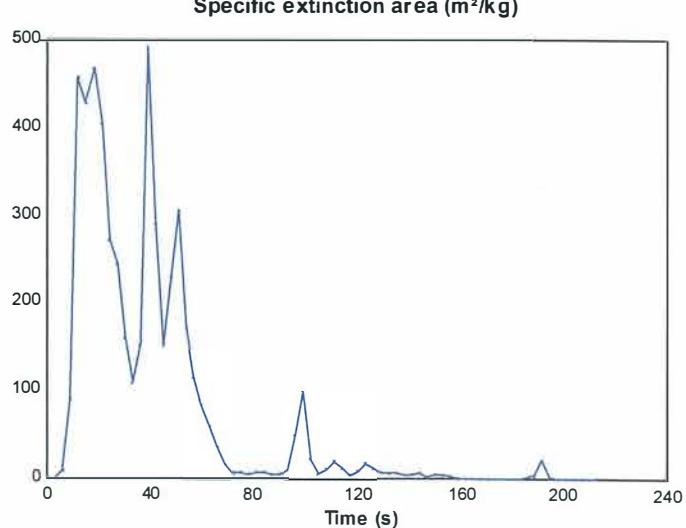
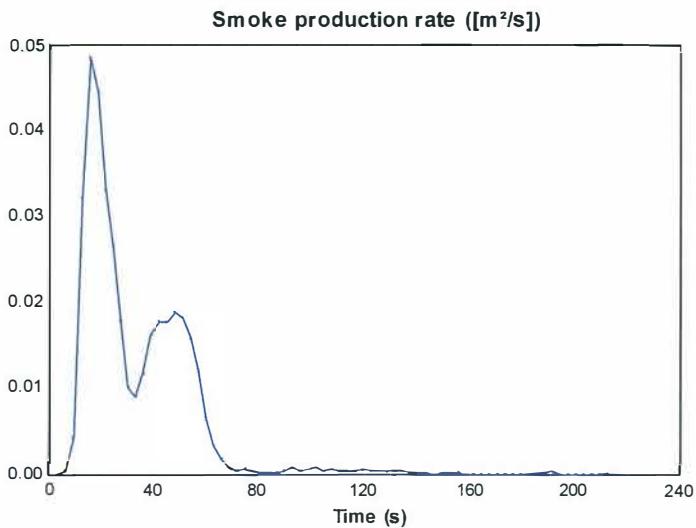
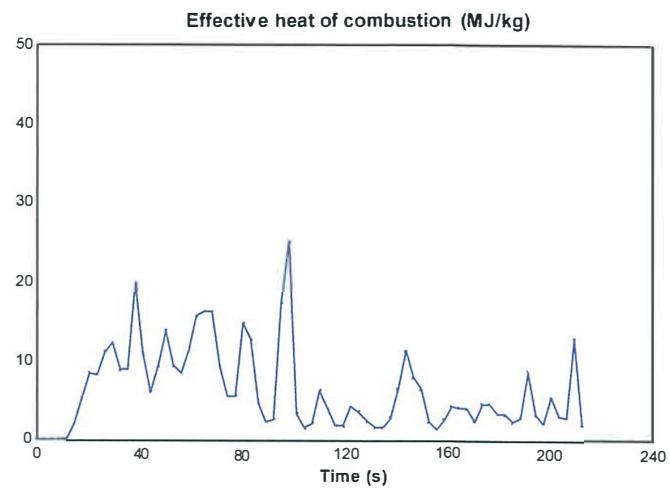
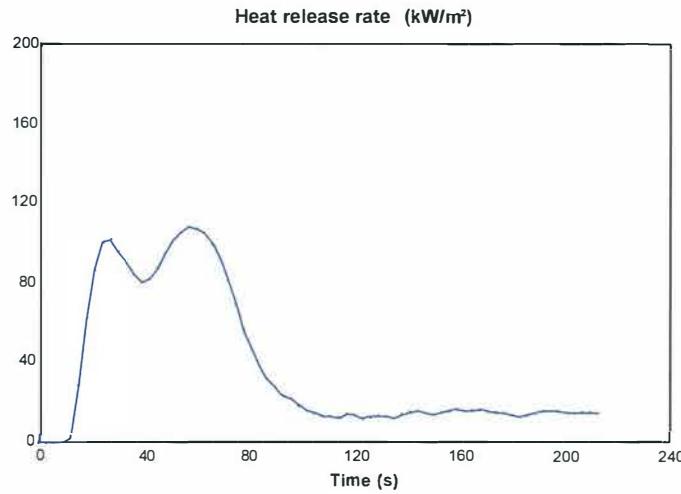
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Specimen : 3



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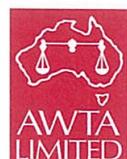


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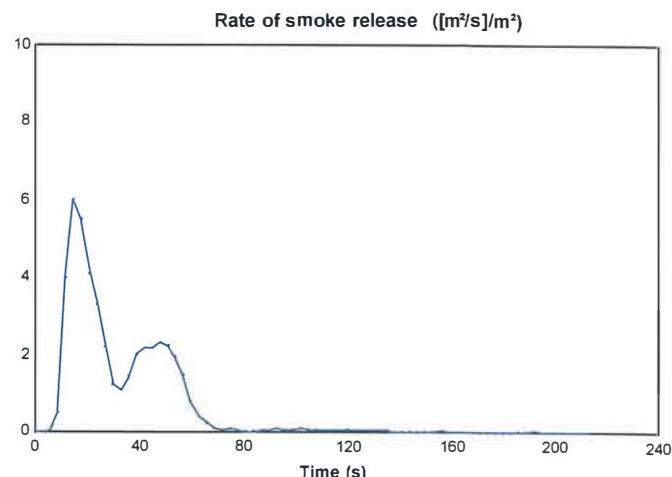
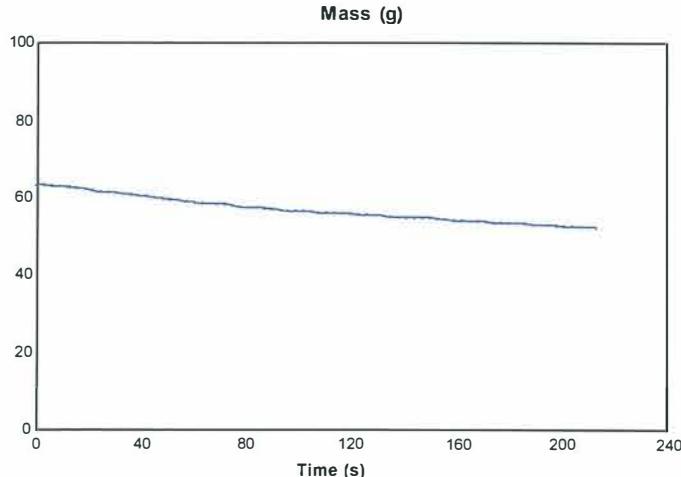
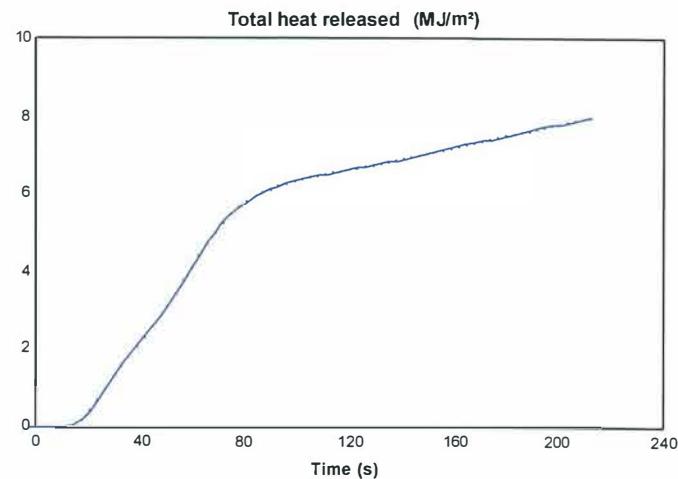
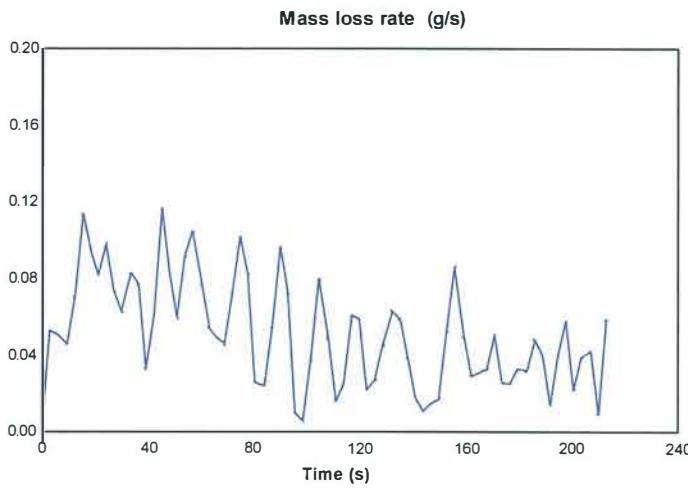
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