

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 : Easycraft Australia P/L
140 North Rd
Wynnum West QLD 4178

Test Number : 19-001718
Issue Date : 13/06/2019
Print Date : 18/06/2019

Sponsor Product Clients Ref : "Easycraft Decorative Panelling- Fire Rated"
Painted MDF
Colour : Cream
End Use : Interior Wall + Ceiling Linings
Nominal Composition : MDF with Paint
Nominal Mass per Unit Area/Density : 760kg/m3
Nominal Thickness : 12mm

Product Group Number Classification : 1
Average Specific Extinction Area : 12.1 m²/kg



Chris Campbell
Client Relations Manager

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TEST REPORT

Client : Easycraft Australia P/L
140 North Rd
Wynnum West QLD 4178

Test Number : 19-001718
Issue Date : 12/06/2019
Print Date : 17/06/2019

Sample Description Clients Ref : "Easycraft Decorative Panelling- Fire Rated"
Painted MDF
Colour : Cream
End Use : Interior Wall + Ceiling Linings
Nominal Composition : MDF with Paint
Nominal Mass per Unit Area/Density : 760kg/m³
Nominal Thickness : 12mm

AS/NZS 3837-1998

Method of Test for Heat and Smoke Release Rates for Materials and Products using an Oxygen Consumption Calorimeter

Date Tested 12/06/2019
Operator AWTA Test Operator 3
Face Tested Painted face

	Specimen			Mean	
	1	2	3		
Average Heat Release Rate	21.1	29.5	13.8	21.5	kW/m ²
Average Specific extinction area	18.4	5.4	12.4	12.1	m ² /kg

(according to Specification C1.10 of the Building Code of Australia)

Test orientation : Horizontal

	Specimen			Mean	
	1	2	3		
Irradiance	50	50	50	50	kW/m ²
Exhaust flow rate	0.024	0.024	0.024	0.024	m ³ /s
Time to sustained flaming	50	73	62	62	sec
Test duration	1220	951	518	896	sec
Peak heat release after ignition	56.1	60.1	56.1	57.4	kW/m ²
Average heat at 60 s	27.8	22.7	24.3	24.9	kW/m ²

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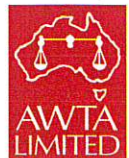


Accredited for compliance with ISO/IEC 17025 - Testing

- Chemical Testing
- Mechanical Testing
- Performance & Approvals Testing

: Accreditation No. 983
: Accreditation No. 985
: Accreditation No. 1356

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Print Date : 17/06/2019

Average heat at 180 s	17.2	19.5	17.2	18.0	kW/m ²
Average heat at 300 s	14.9	19.2	15.4	16.5	kW/m ²
Total heat released	24.7	26.1	6.5	19.1	MJ/m ²
Average effective heat of combustion	4.2	4.9	1.7	3.6	MJ/kg
Initial thickness	12	12	12	12.0	mm
Initial mass	81.2	80.1	80.7	80.7	g
Mass remaining	33.5	36.3	51.3	40.4	g
Mass percentage pyrolysed	58.8	54.7	36.4	50.0	%
Mass loss	5.9	5.4	3.6	5.0	kg/m ²
Average rate of mass loss	5.0	6.1	8.0	6.4	g/m ² .s
Additional Observations	None				
Difficulties Encountered during Testing	None				

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.

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

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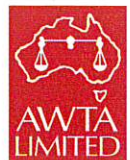


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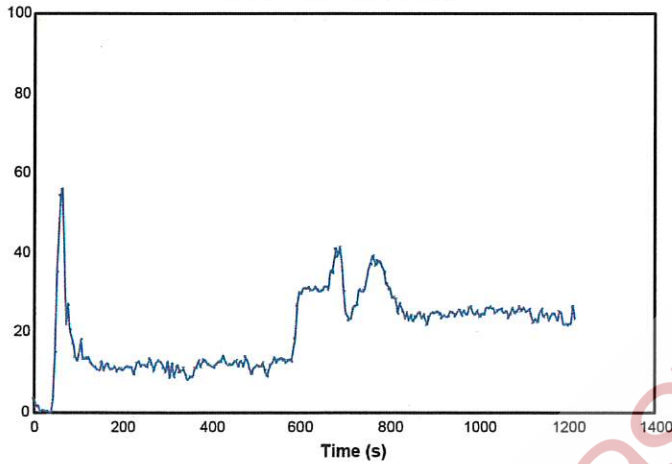
TEST REPORT

Client : Eascraft Australia P/L
140 North Rd
Wynnum West QLD 4178

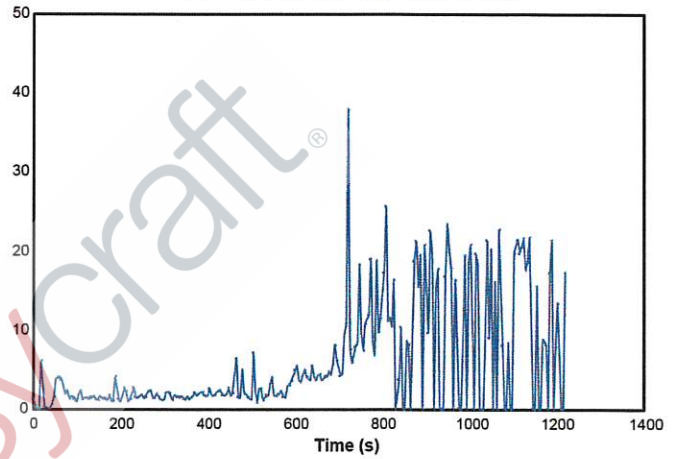
Test Number : 19-001718
Issue Date : 12/06/2019
Print Date : 17/06/2019

Specimen : 1

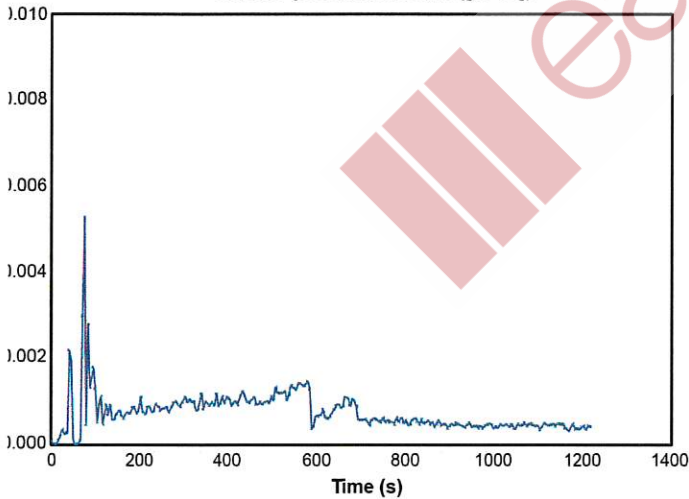
Heat release rate (kW/m²)



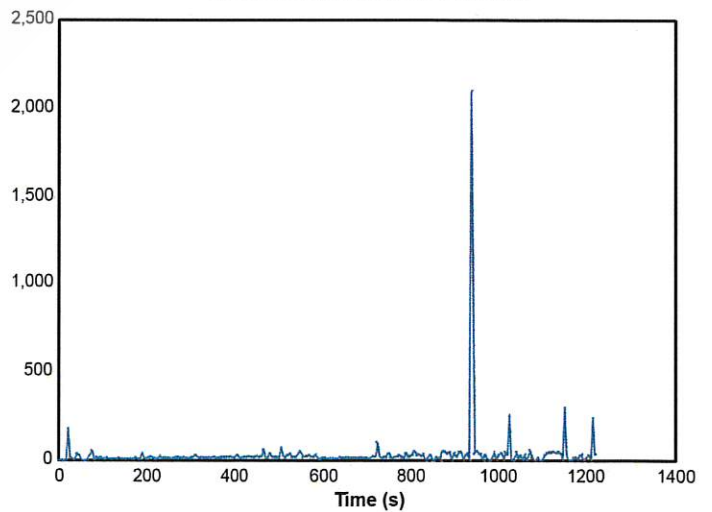
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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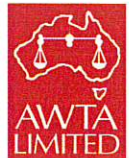


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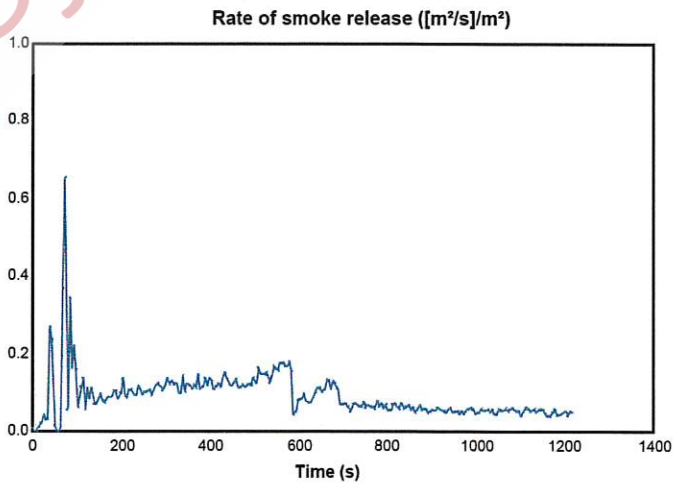
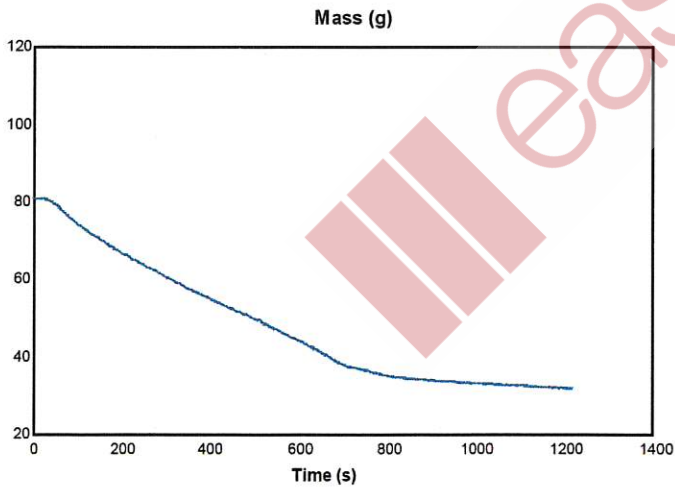
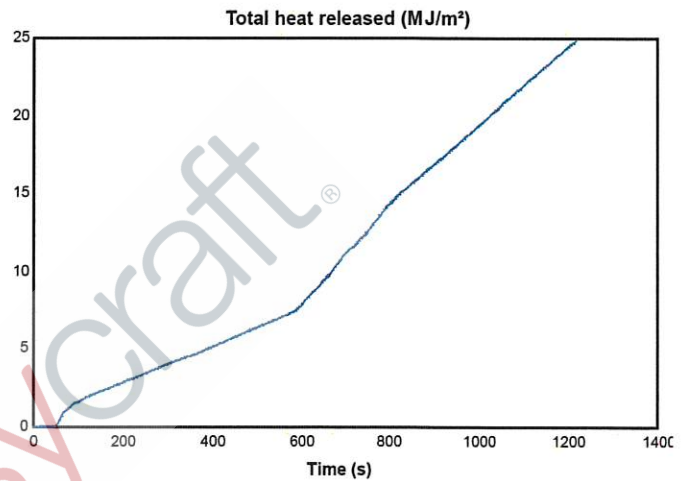
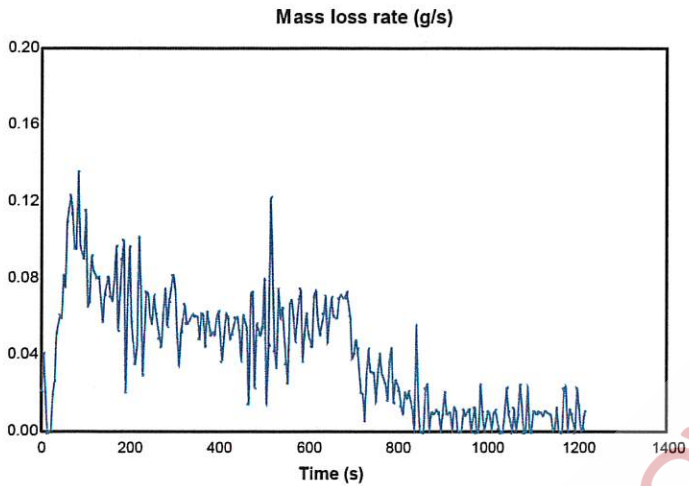
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TEST REPORT

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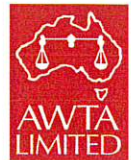


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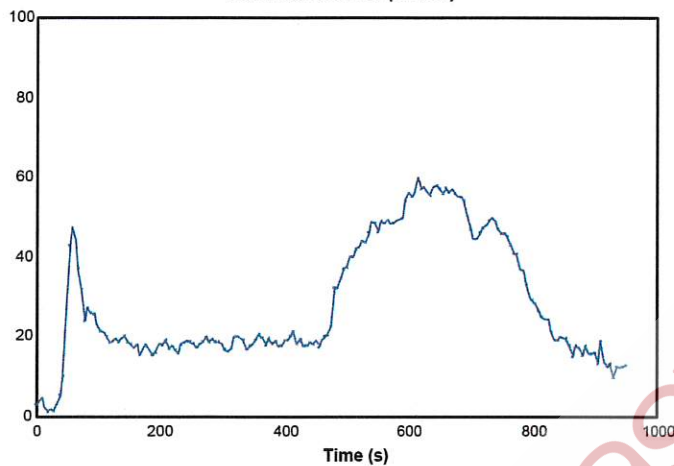
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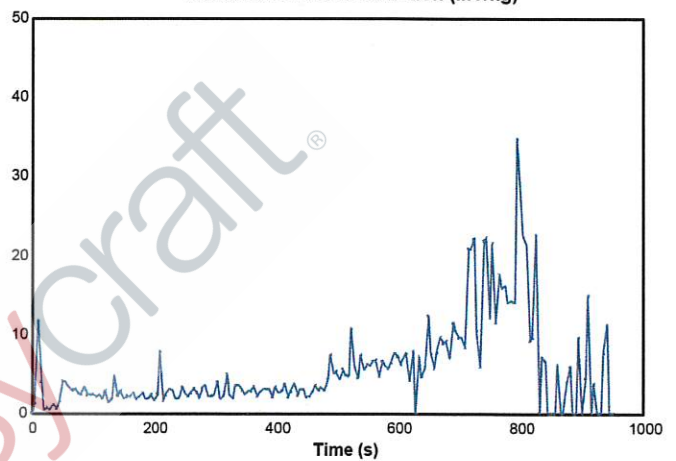
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Specimen : 2

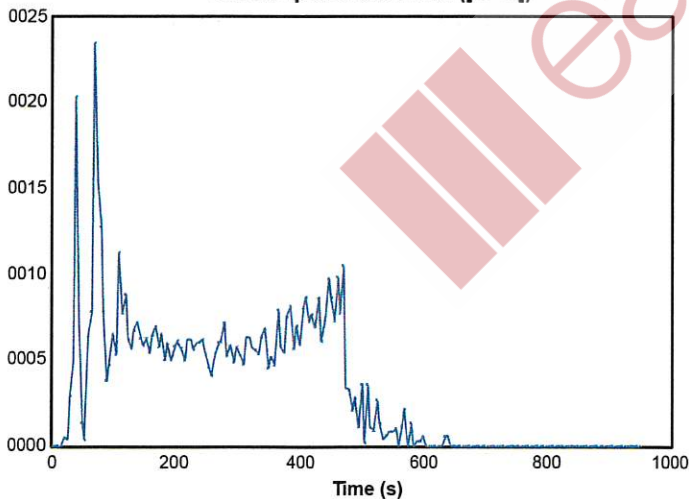
Heat release rate (kW/m²)



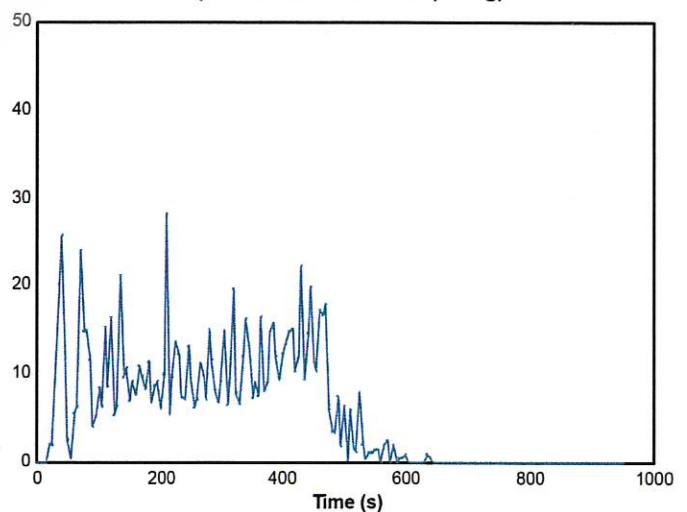
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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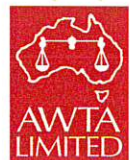


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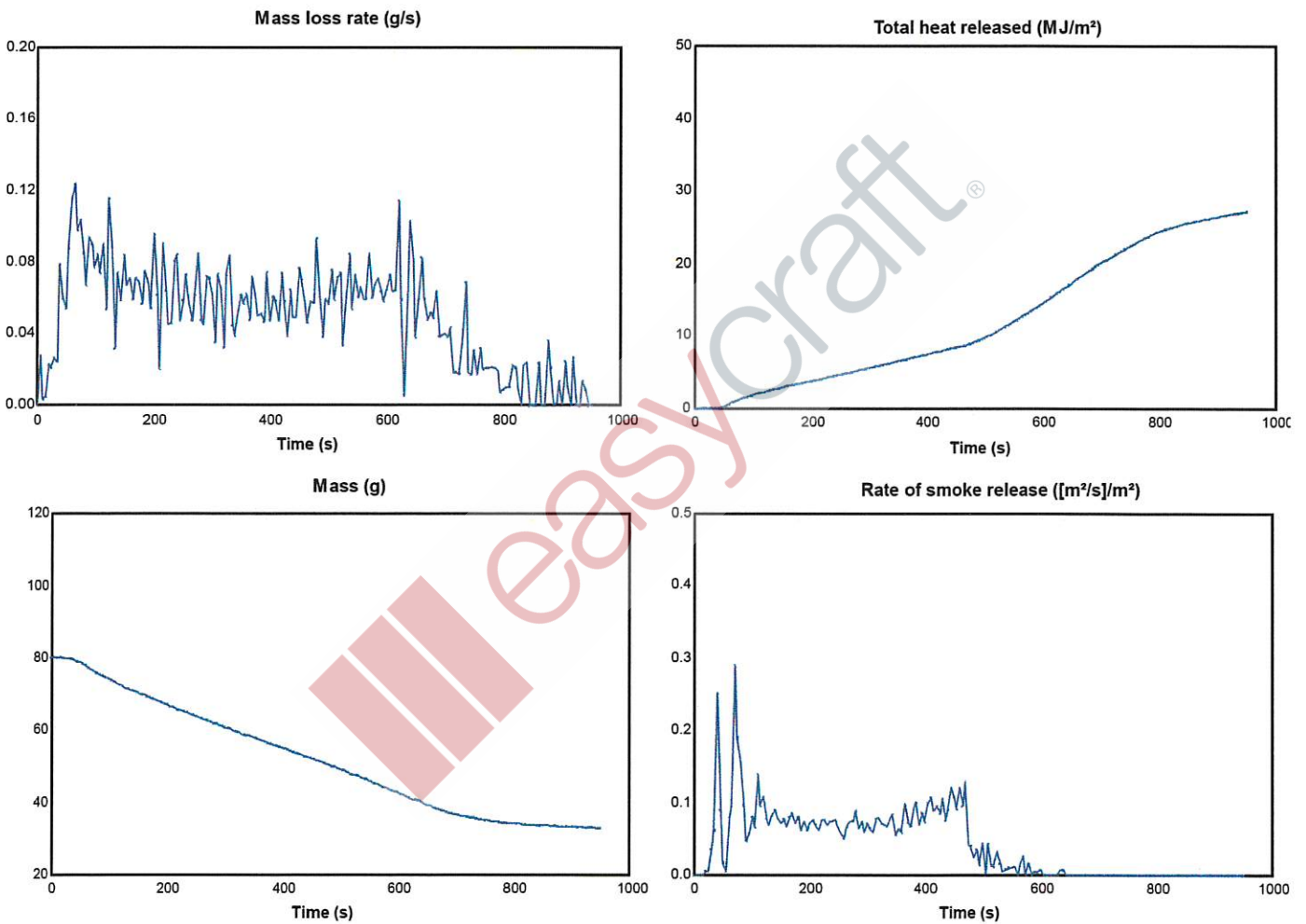
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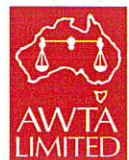


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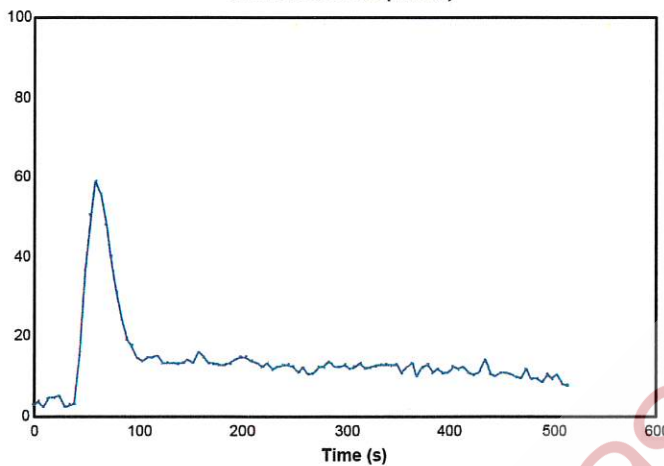
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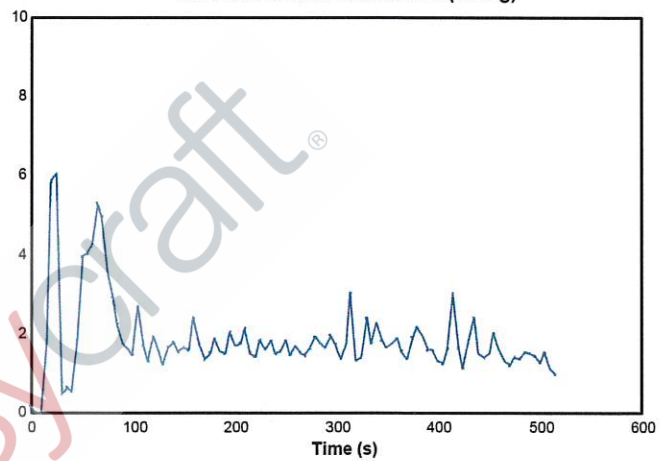
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Specimen : 3

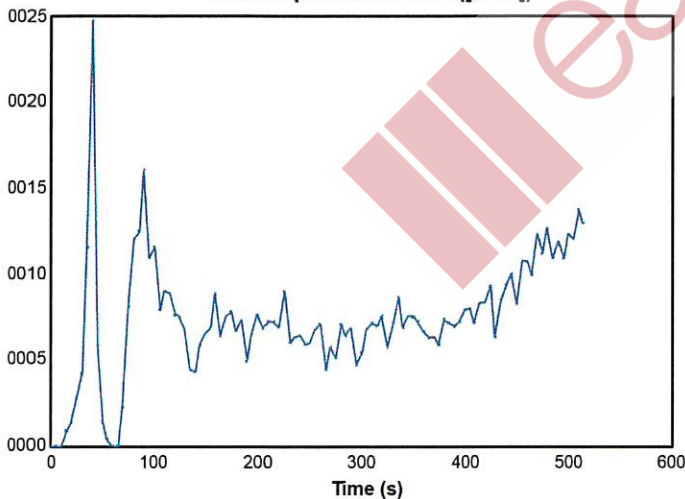
Heat release rate (kW/m²)



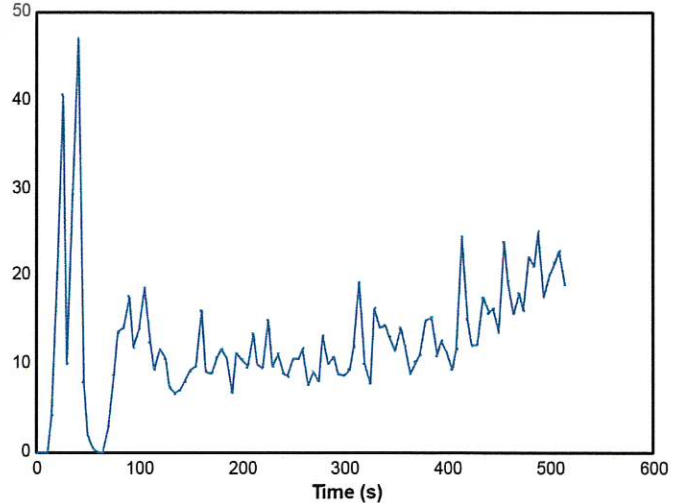
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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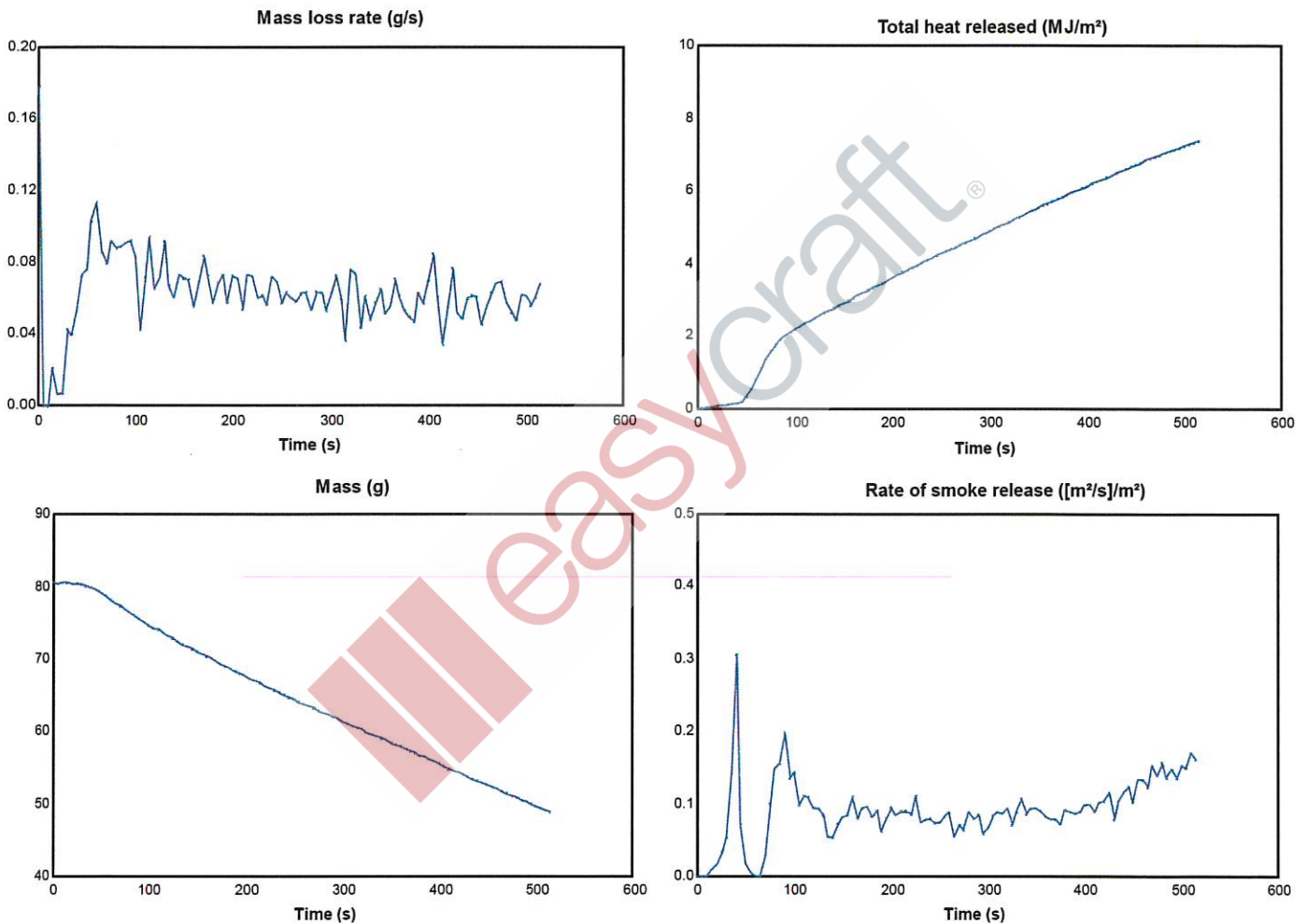
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