

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

TEST REPORT

Client : Paveezzi Pty Ltd
164 Hoddle Street
Abbotsford VIC 3067

Test Number : 22-001512
Issue Date : 24/05/2022
Print Date : 24/05/2022

Sample Description

Clients Ref : "Paveezzi Ressisto Castellated Cladding Profile"

Rigid Panel - tested in flat form

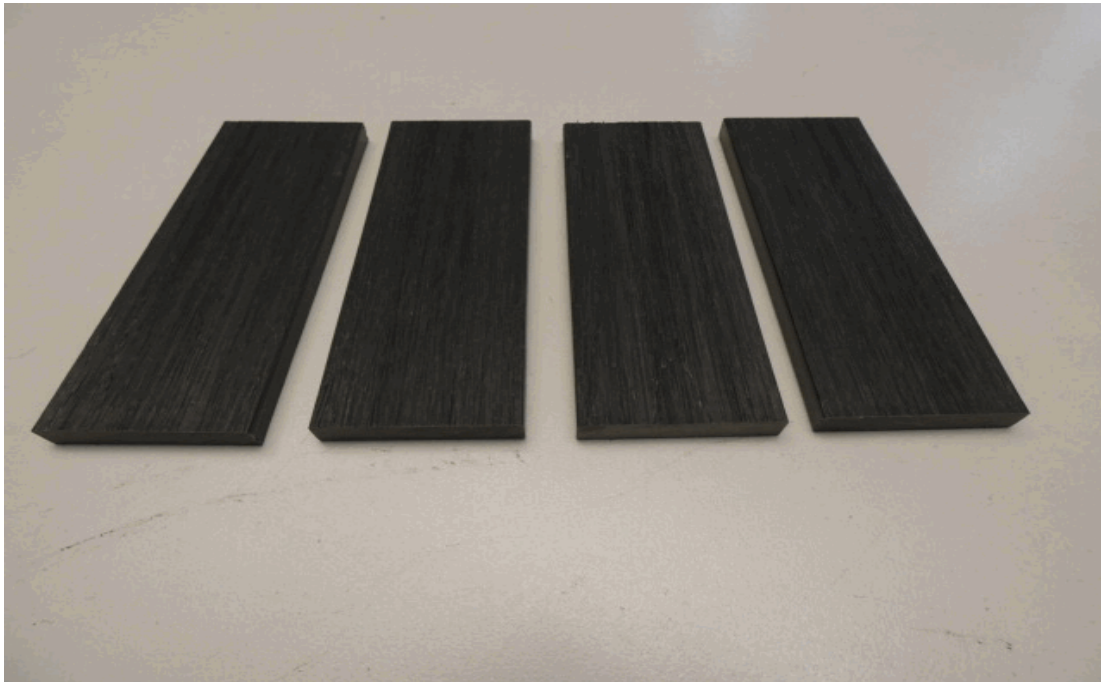
Colour : Charcoal

End Use : Wall and Ceiling Lining

Nominal Composition : 60% Wood Fibre, 20% HDPE, 15% Talcum Powder, 5% Additives

Nominal Mass per Unit Area/Density : Approx: 12.5kg/m2

Nominal Thickness : Approx: 10mm



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58045

Page 1 of 9

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Fiona McDonald

APPROVED SIGNATORY



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

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

Date Tested 23-05-2022
Face Tested FACE

	Specimen				
	1	2	3	Mean	
Average Heat Release Rate	106.6	126.0	113.9	115.5	kW/m ²
Average Specific extinction area	208.1	250.7	240.4	233.1	m ² /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 ²
Exhaust flow rate	0.024	0.024	0.024	0.024	m ³ /s
Time to sustained flaming	45	45	41	44	sec
Test duration	3600	3600	3600	3600	sec
Peak heat release after ignition	365.8	390.5	358.6	371.6	kW/m ²
Average heat at 60 s	238.8	277.8	254.5	257.0	kW/m ²
Average heat at 180 s	229.4	244.8	235.9	236.7	kW/m ²
Average heat at 300 s	211.2	226.7	220.1	219.3	kW/m ²
Total heat released	378.9	448.0	405.1	410.7	MJ/m ²
Average effective heat of combustion	29.8	34.9	31.5	32.1	MJ/kg
Initial thickness	10	10	10	10.0	mm
Initial mass	124.8	122.8	125	124.2	g
Mass remaining	21.7	18.9	20.8	20.5	g
Mass percentage pyrolysed	82.6	84.6	83.4	83.5	%

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164 Hoddle Street
Abbotsford VIC 3067

Test Number : 22-001512
Issue Date : 24/05/2022
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Mass loss	12.7	12.8	12.9	12.8	kg/m ²
Average rate of mass loss	3.6	3.6	3.6	3.6	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.

Retainer grid was used to contain the test specimen within the sample holder

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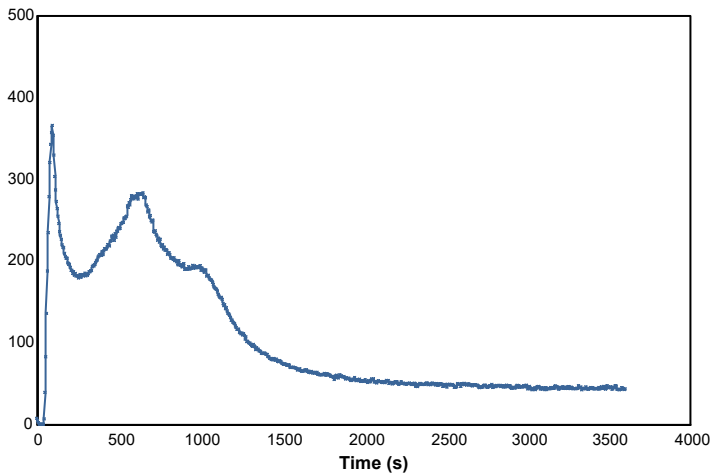
TEST REPORT

Client : Pavezzi Pty Ltd
164 Hoddle Street
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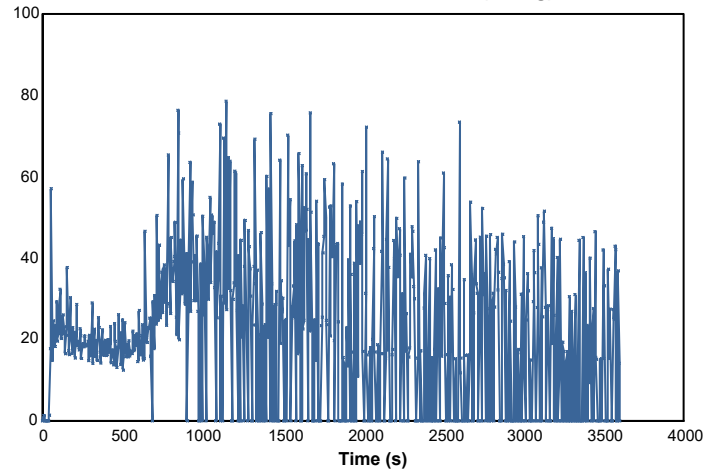
Test Number : 22-001512
Issue Date : 24/05/2022
Print Date : 24/05/2022

Specimen : 1

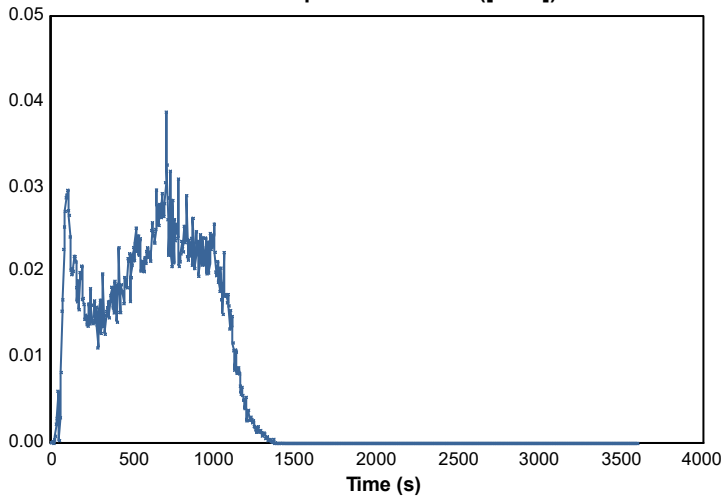
Heat release rate (kW/m²)



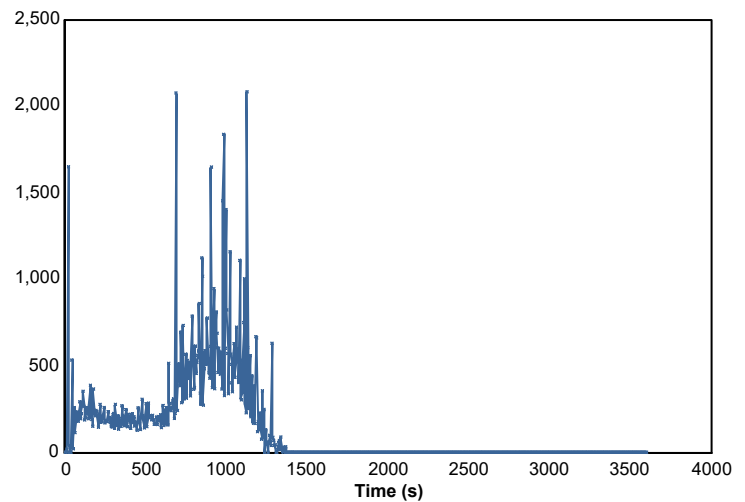
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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Page 4 of 9

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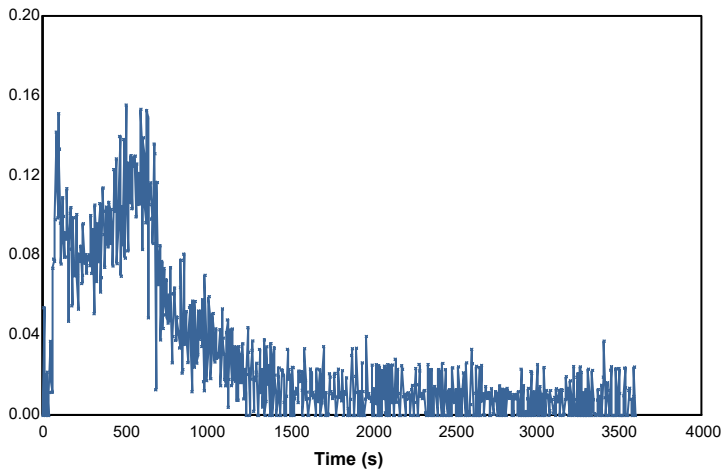
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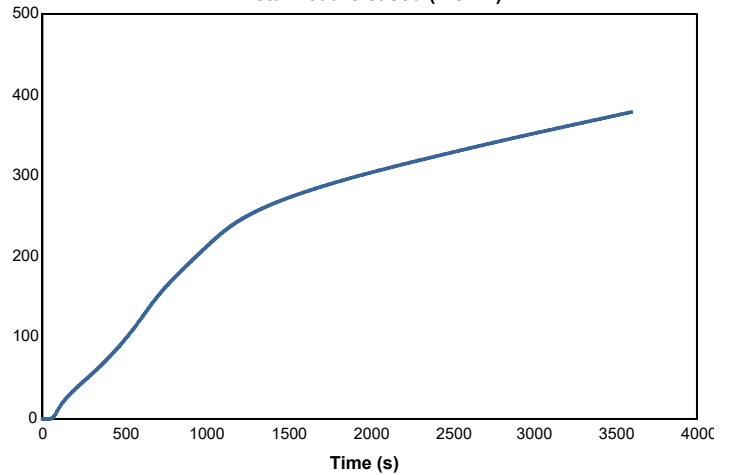
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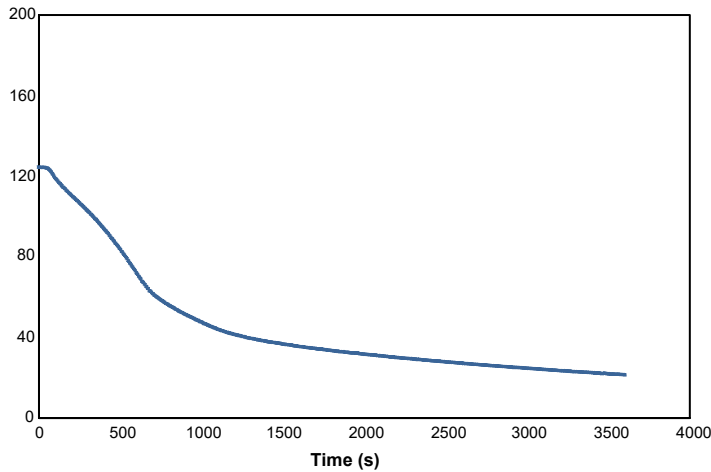
Mass loss rate (g/s)



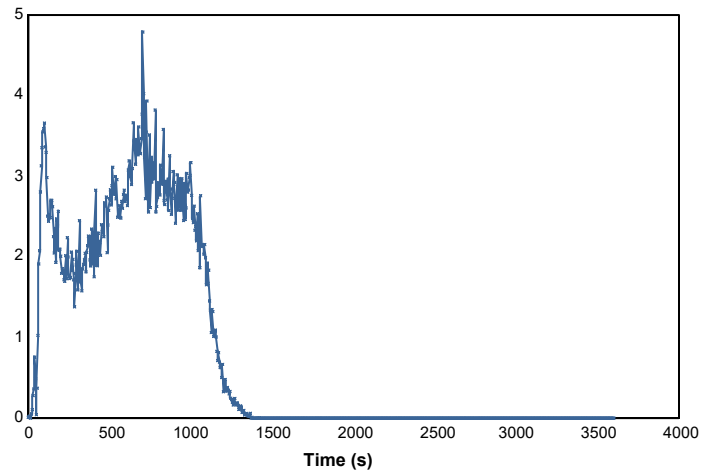
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s)/m²)



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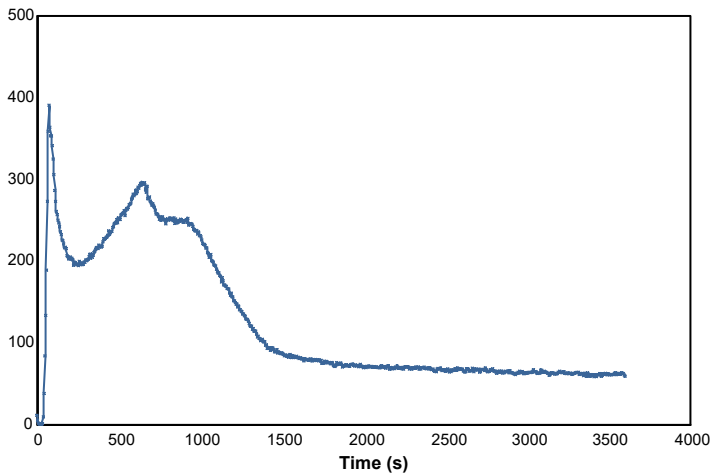
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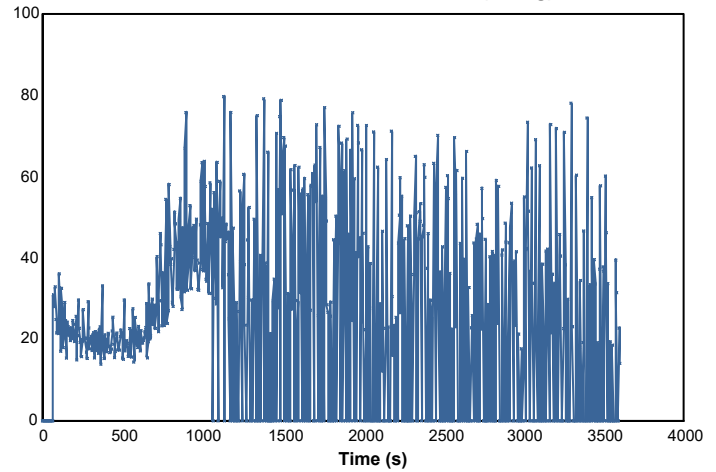
Test Number : 22-001512
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Specimen : 2

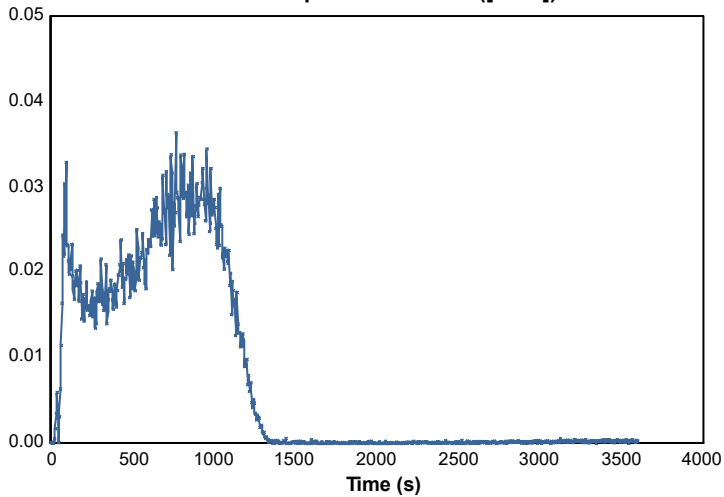
Heat release rate (kW/m²)



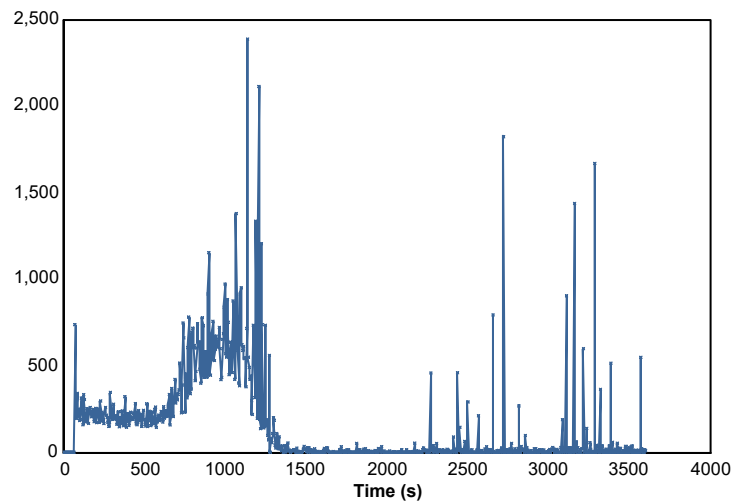
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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Page 6 of 9

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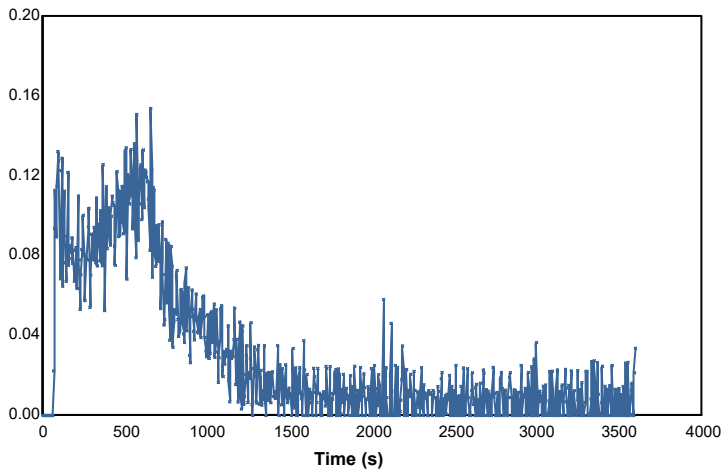
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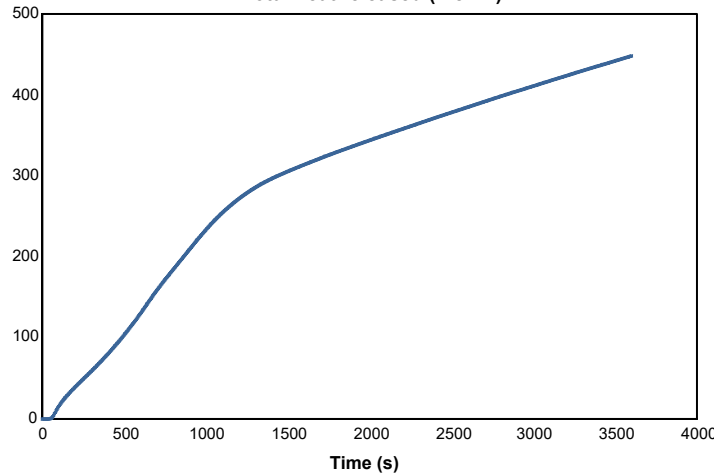
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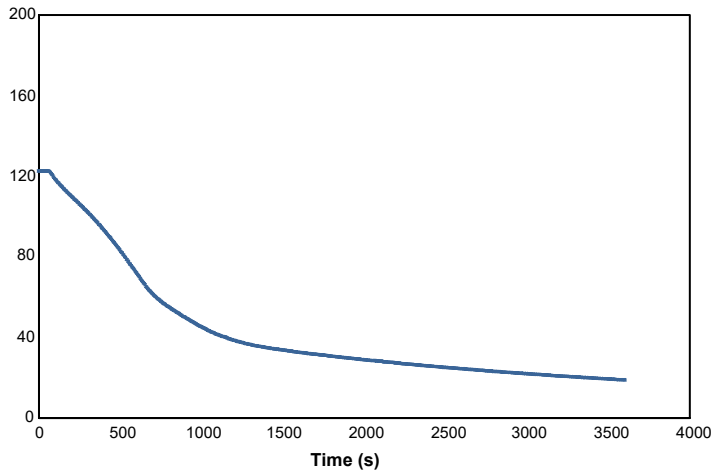
Mass loss rate (g/s)



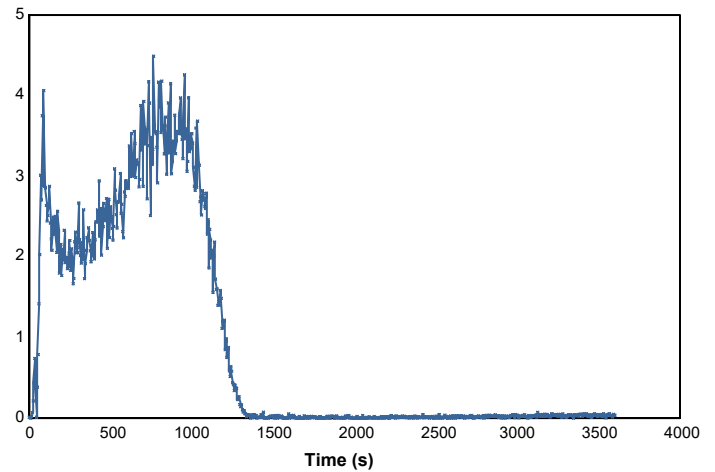
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s)/m²)



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Page 7 of 9

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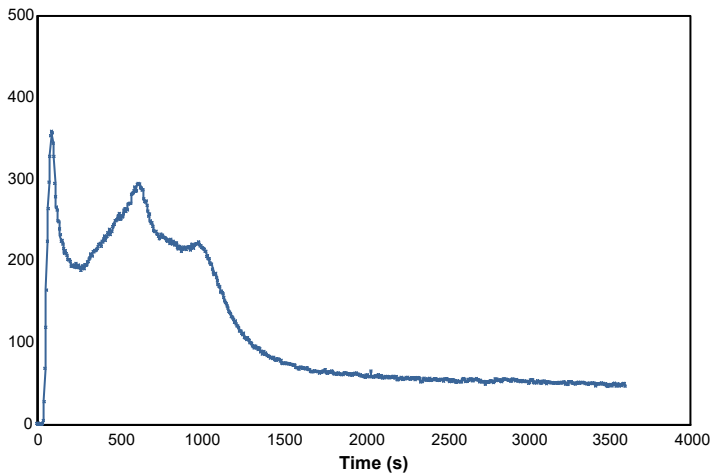
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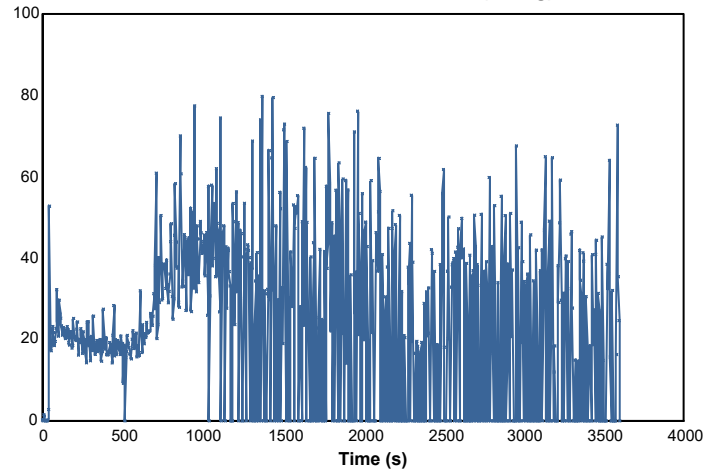
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Specimen : 3

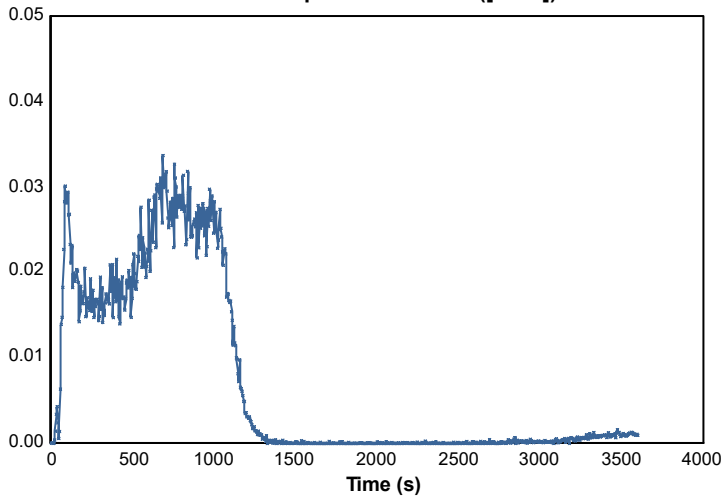
Heat release rate (kW/m²)



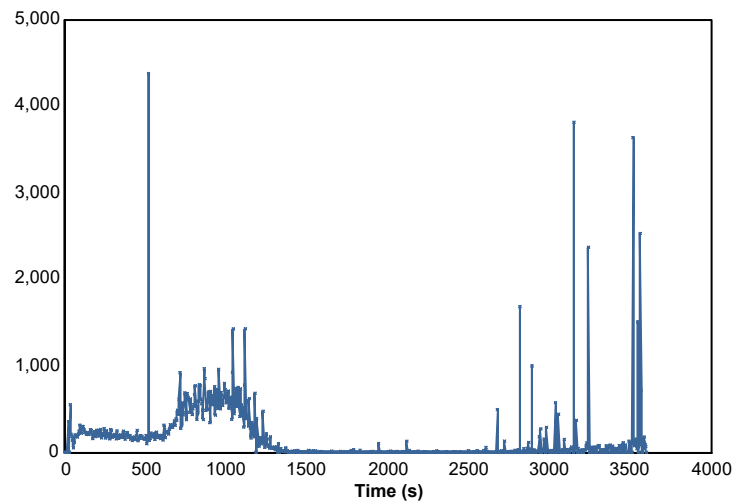
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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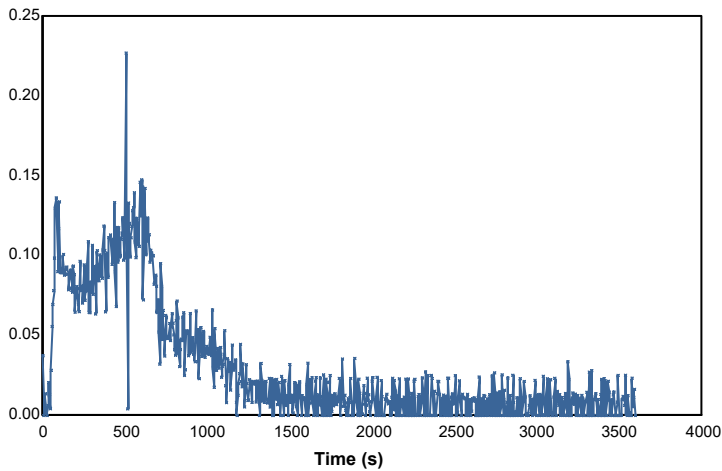
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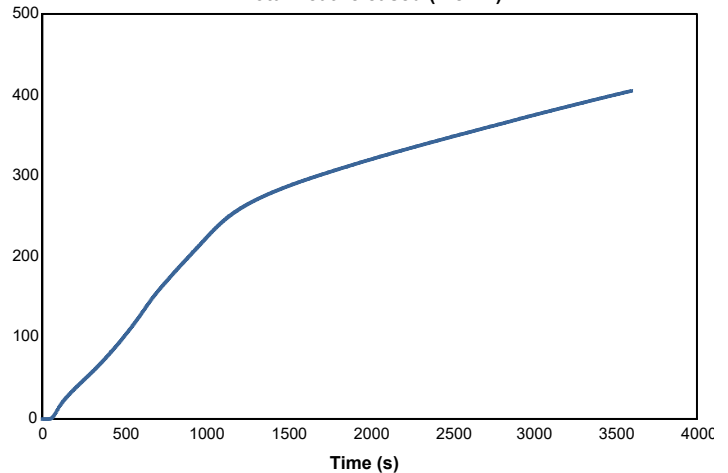
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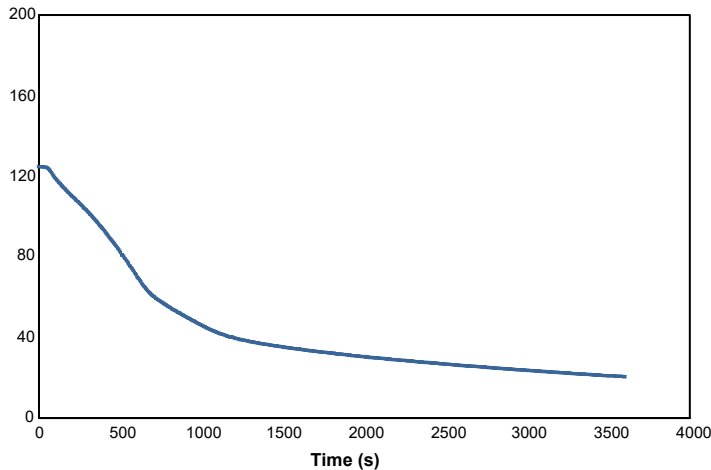
Mass loss rate (g/s)



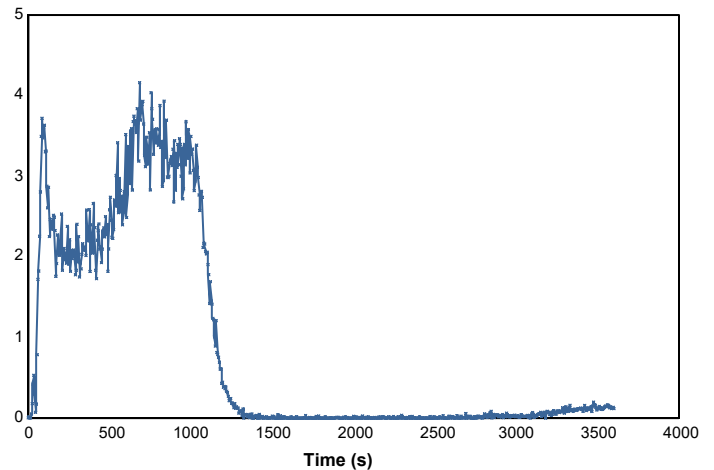
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s)/m²)



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