

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

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 .

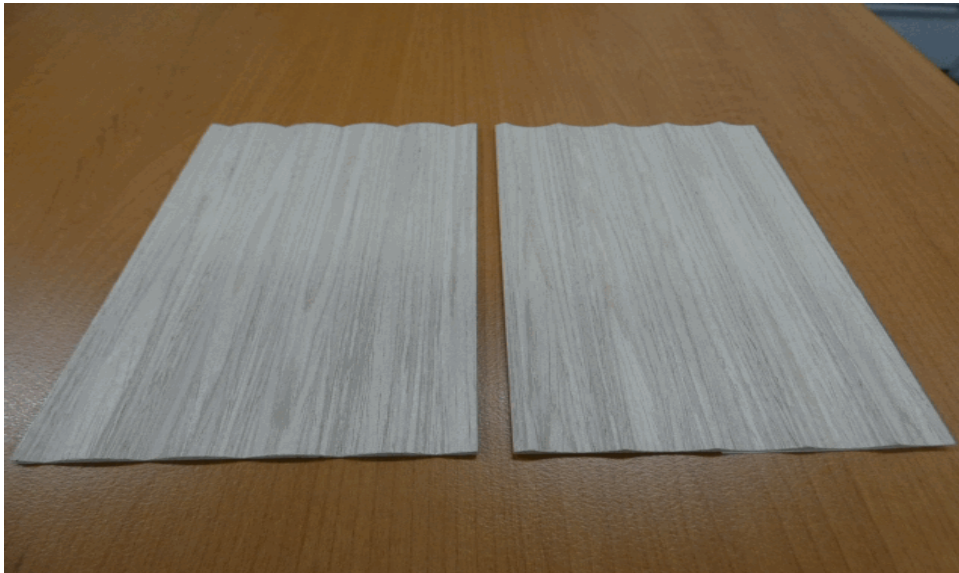
Testing was performed in accordance with AS/NZS 3837-1998 Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter.

As per AS 5637.1 Clause 9(n) it was valid to test this particular material / system in the cone calorimeter for the assignment of a NCC Group Number.

Test Sponsor : Elton Group
1-5 Brough Street
Springvale VIC 3171

Test Number : 23-004084
Issue Date : 20/10/2023
Print Date : 20/10/2023

Sponsor Product : Clients Ref : "E veneer Profiles - Flute and Reed 3mm"
Timber profiled panel
Colour : Natural
End Use : Wall covering
Nominal Composition : E veneer raw timber with 3D milled profiles on a non woven fabric backing
Nominal Mass per Unit Area/Density : Approx. 1300g/m2
Nominal Thickness : 3mm



67131

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Test Sponsor : Elton Group
1-5 Brough Street
Springvale VIC 3171

Test Number : 23-004084
Issue Date : 20/10/2023
Print Date : 20/10/2023

Product Group Number Classification : 3

Average Specific Extinction Area : 0.0 m²/kg



Chris Campbell
Client Relations Manager

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TEST REPORT

Client : Elton Group
1-5 Brough Street
Springvale VIC 3171

Test Number : 23-004084
Issue Date : 19/10/2023
Print Date : 20/10/2023

Sample Description

Clients Ref : "E veneer Profiles - Flute and Reed 3mm"

Timber profiled panel

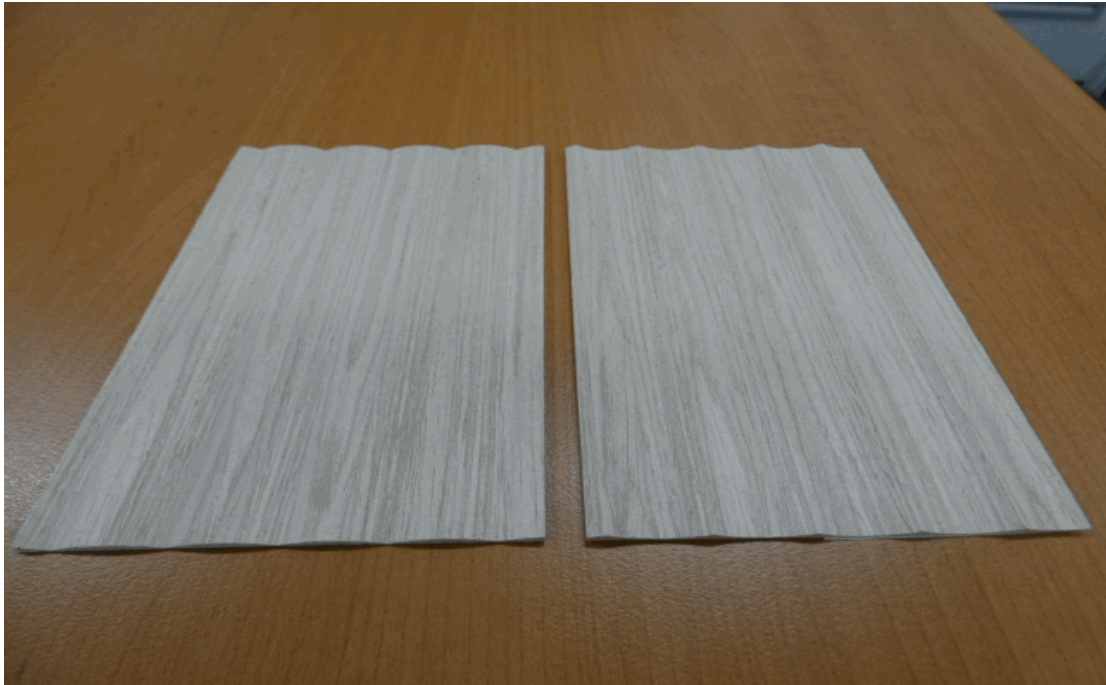
Colour : Natural

End Use : Wall covering

Nominal Composition : E veneer raw timber with 3D milled profiles on a non woven fabric backing

Nominal Mass per Unit Area/Density : Approx. 1300g/m²

Nominal Thickness : 3mm



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67131

Page 1 of 9

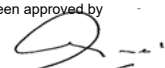
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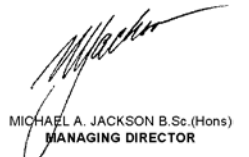
Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Numbers: 983, 985, and 1356



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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 19-10-2023
Operator AWTA Test Operator 9
Face Tested FACE

	Specimen				
	1	2	3	Mean	
Average Heat Release Rate	30.2	28.8	33.1	30.7	kW/m ²
Average Specific extinction area	0.0	0.0	0.0	0.0	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	53	51	40	48	sec
Test duration	1114	1115	1039	1089	sec
Peak heat release after ignition	136.8	126.9	132.6	132.1	kW/m ²
Average heat at 60 s	103.9	100.6	93.0	99.2	kW/m ²
Average heat at 180 s	88.8	86.1	90.2	88.4	kW/m ²
Average heat at 300 s	65.5	62.2	66.9	64.9	kW/m ²
Total heat released	32.0	30.6	33.1	31.9	MJ/m ²
Average effective heat of combustion	9.8	9.2	10.0	9.7	MJ/kg
Initial thickness	13	13	13	13.0	mm
Initial mass	73.8	73.4	73.9	73.7	g
Mass remaining	47.1	46.2	47.1	46.8	g
Mass percentage pyrolysed	36.2	37.0	36.2	36.5	%

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Mass loss	3.3	3.4	3.3	3.3	kg/m ²
Average rate of mass loss	3.1	3.1	3.3	3.2	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.

Samples were loose laid onto a substrate of 10mm thick plasterboard prior to testing.

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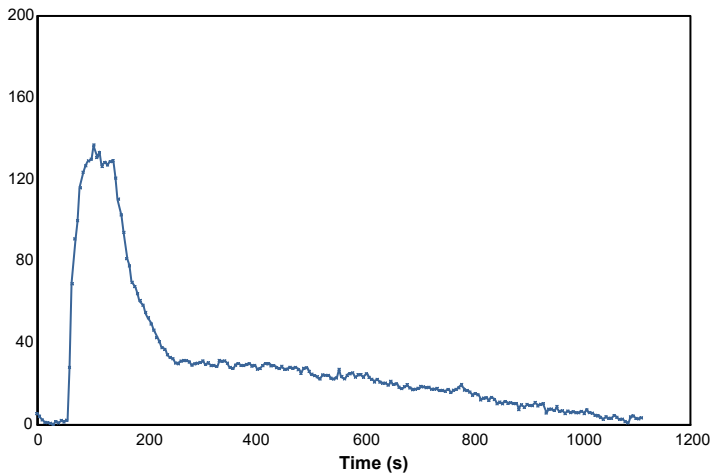
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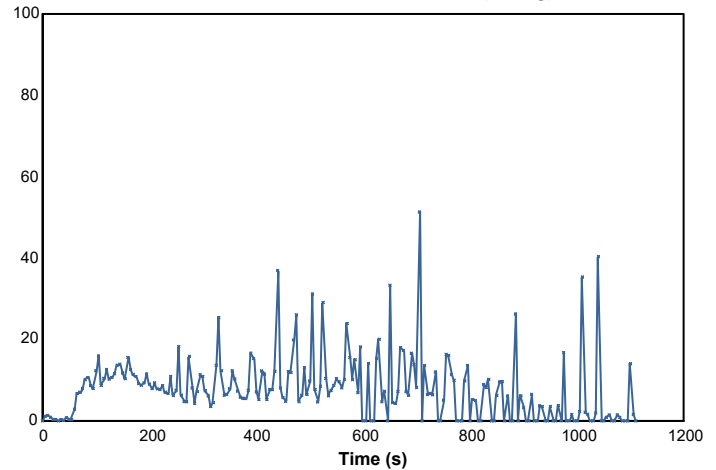
Test Number : 23-004084
Issue Date : 19/10/2023
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Specimen : 1

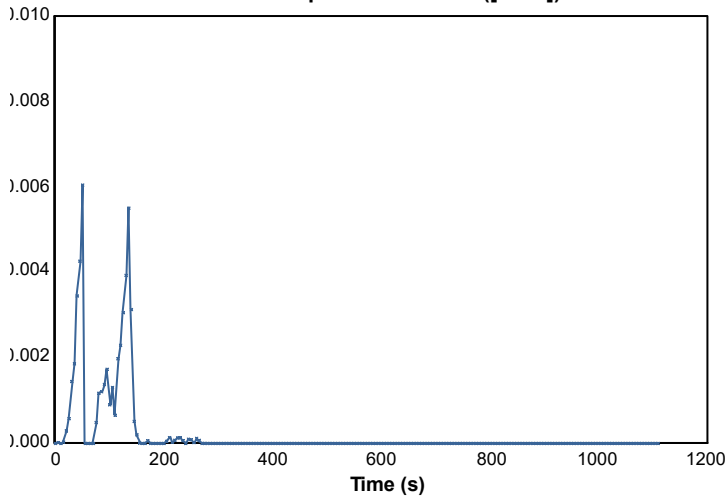
Heat release rate (kW/m²)



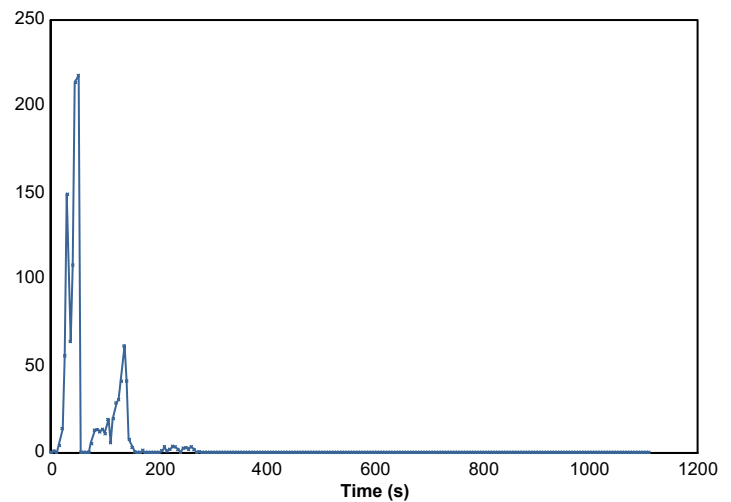
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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Page 4 of 9


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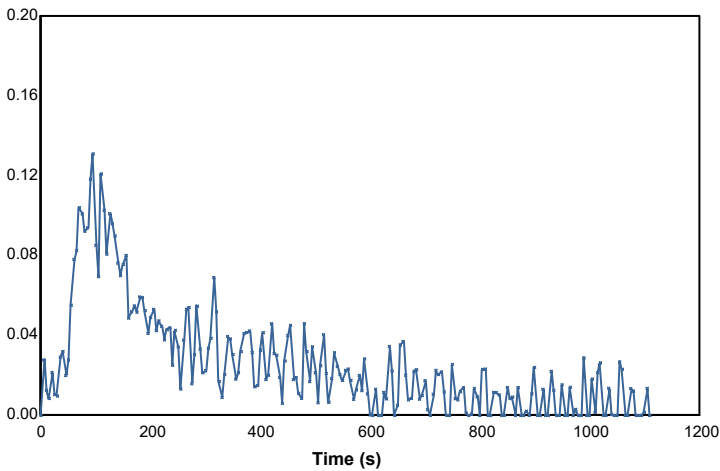
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TEST REPORT

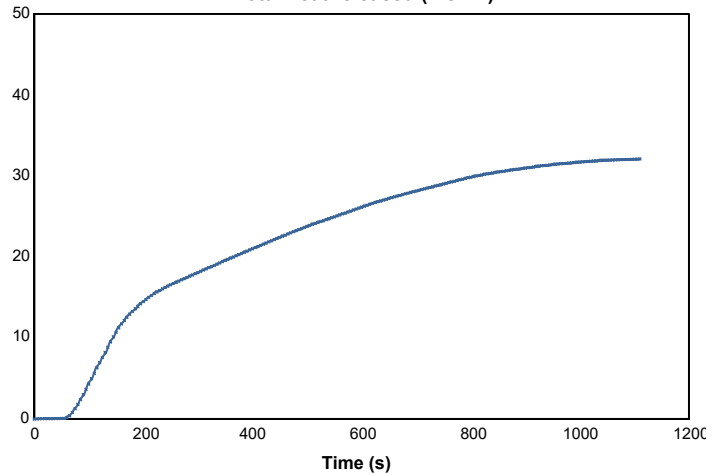
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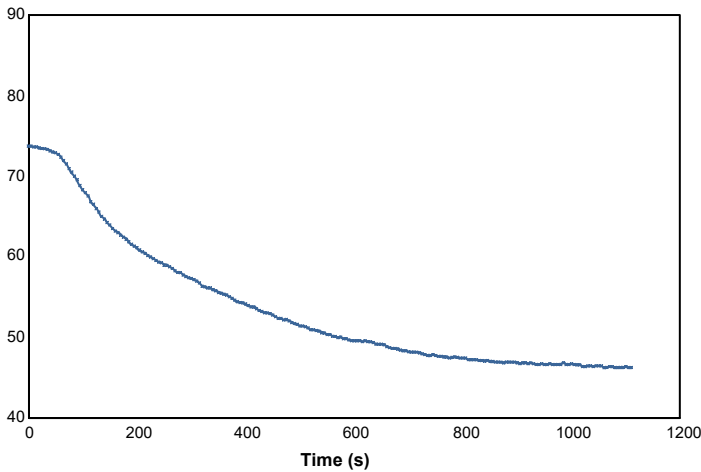
Mass loss rate (g/s)



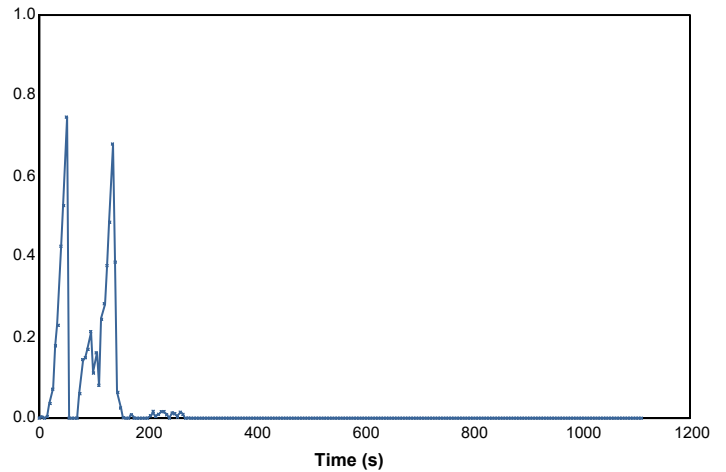
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s)/m²)



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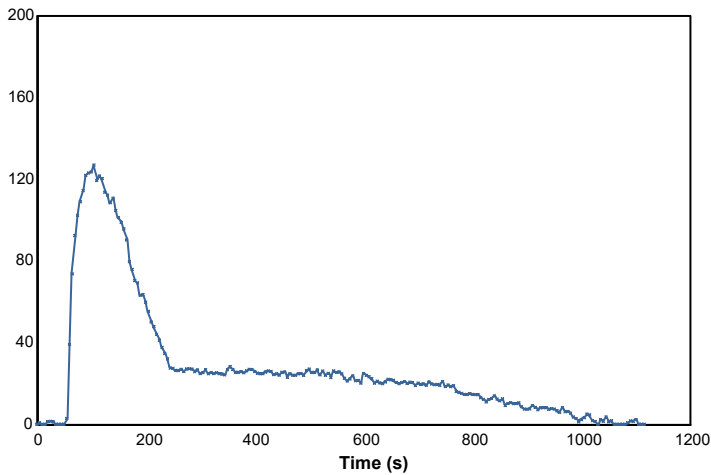
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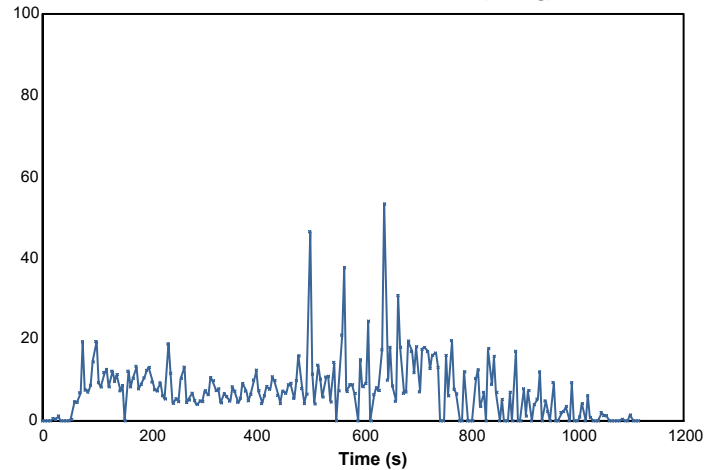
Test Number : 23-004084
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Specimen : 2

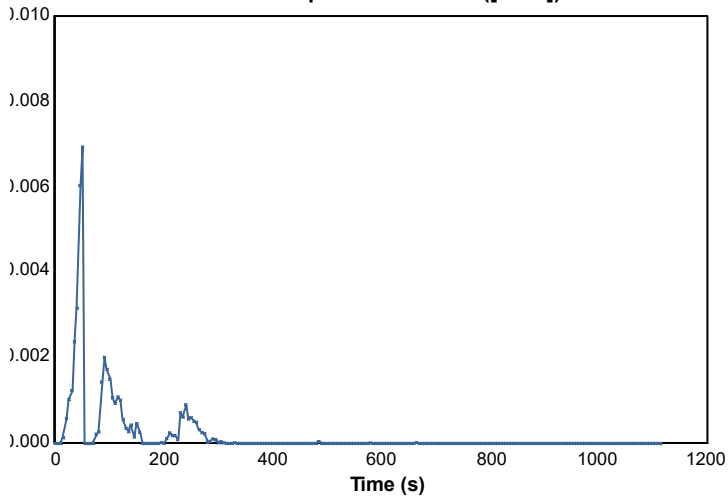
Heat release rate (kW/m²)



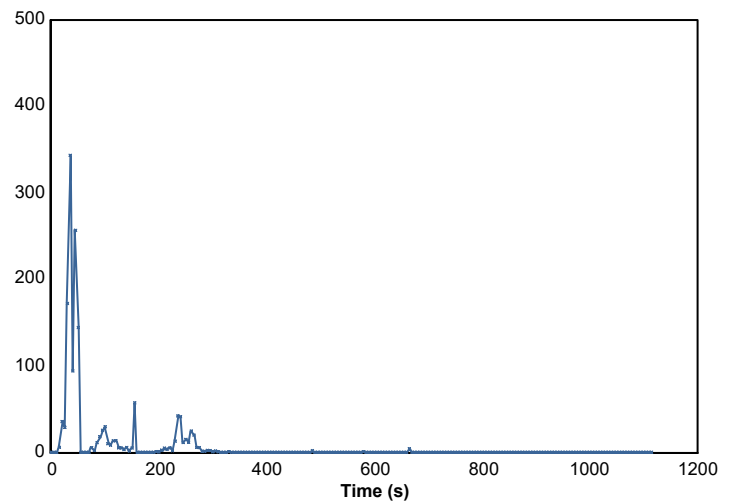
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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Page 6 of 9

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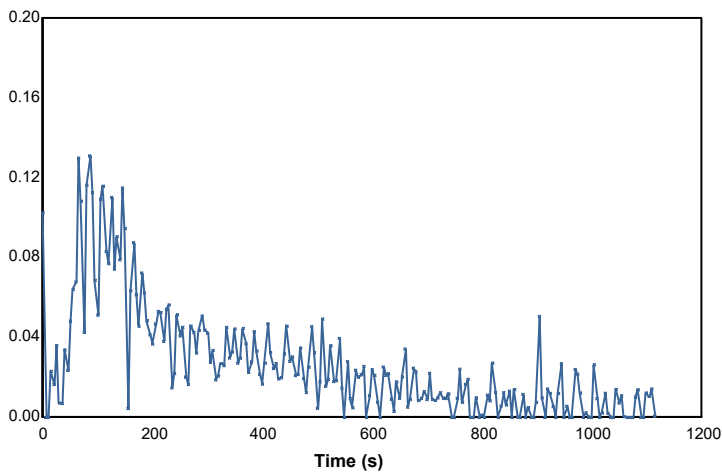
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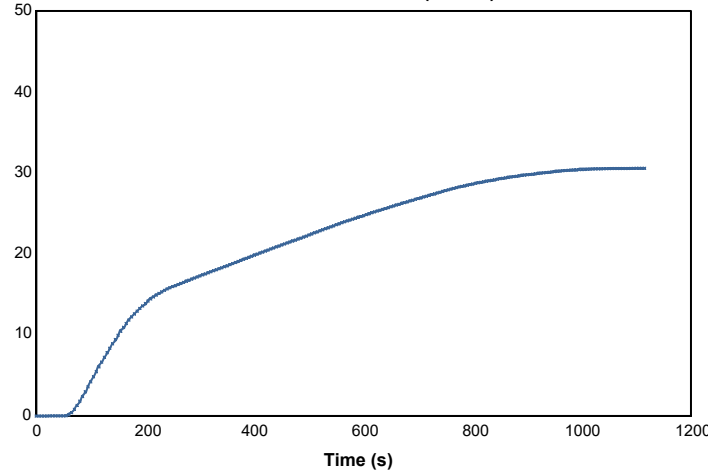
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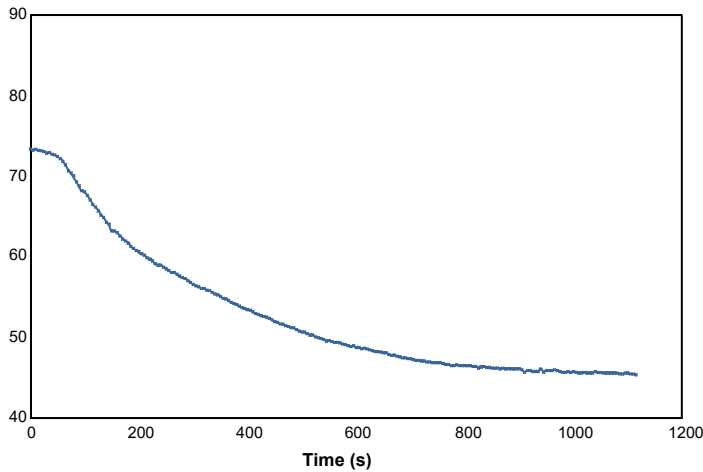
Mass loss rate (g/s)



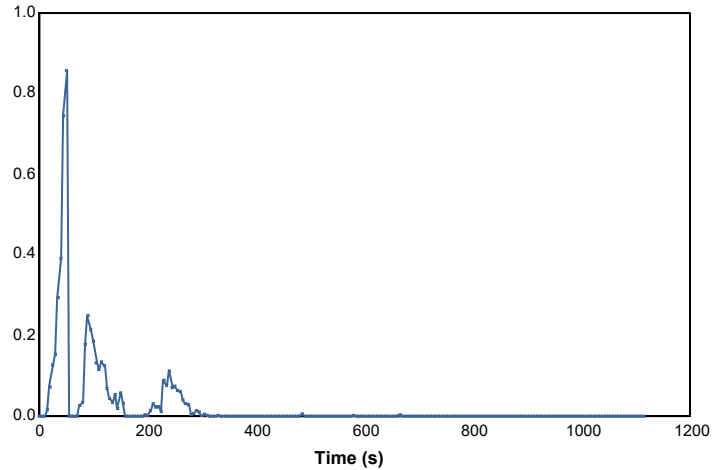
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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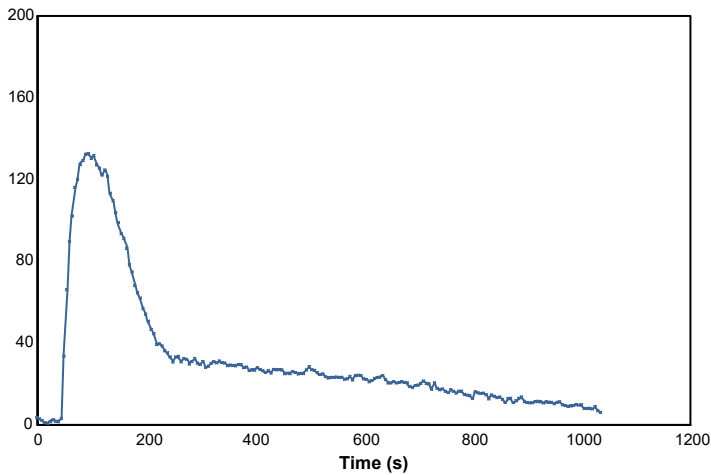
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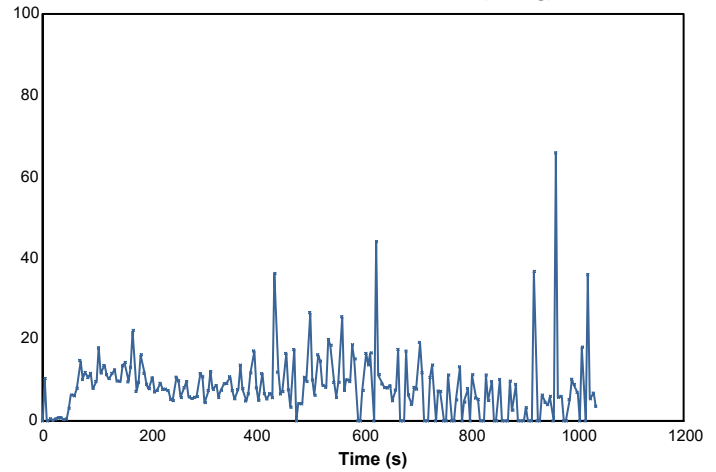
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Specimen : 3

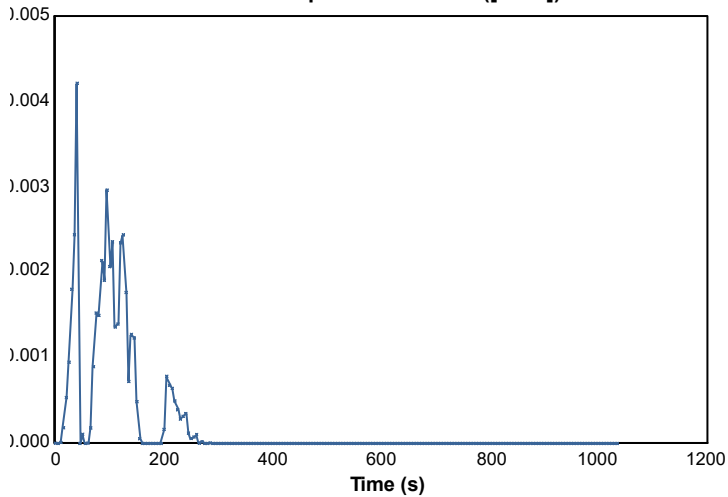
Heat release rate (kW/m²)



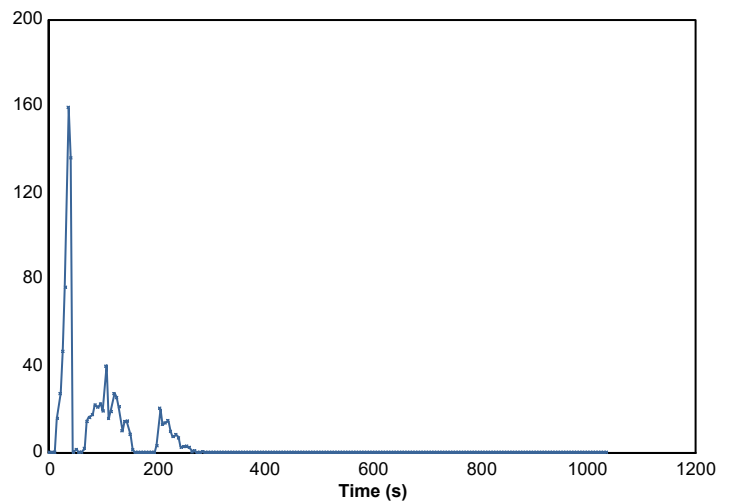
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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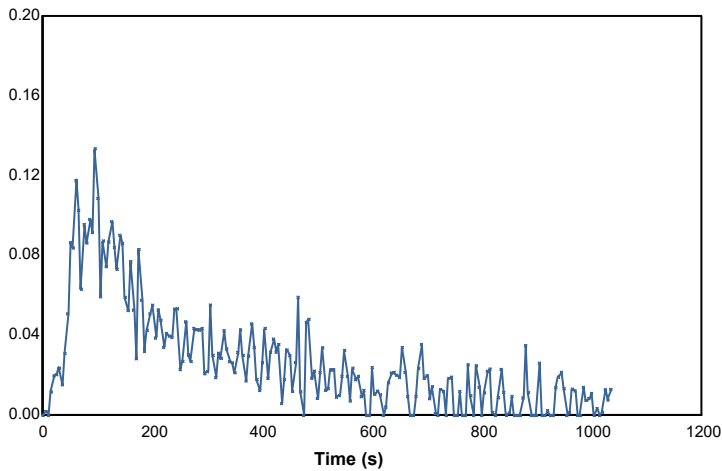
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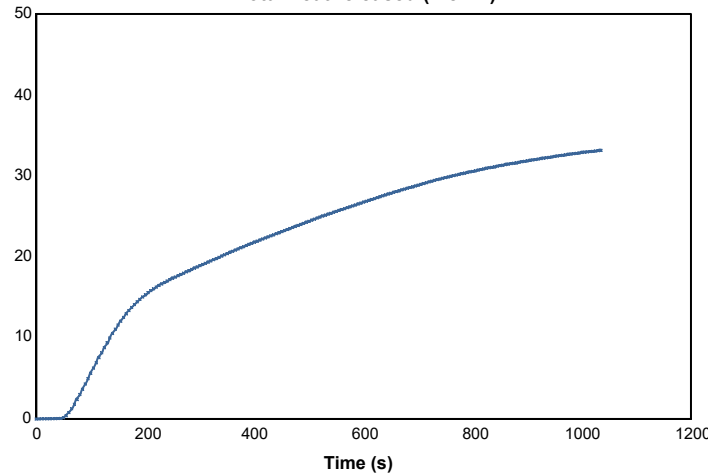
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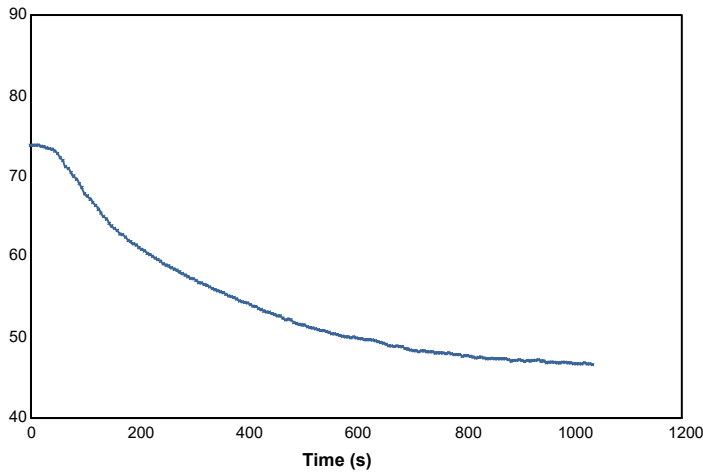
Mass loss rate (g/s)



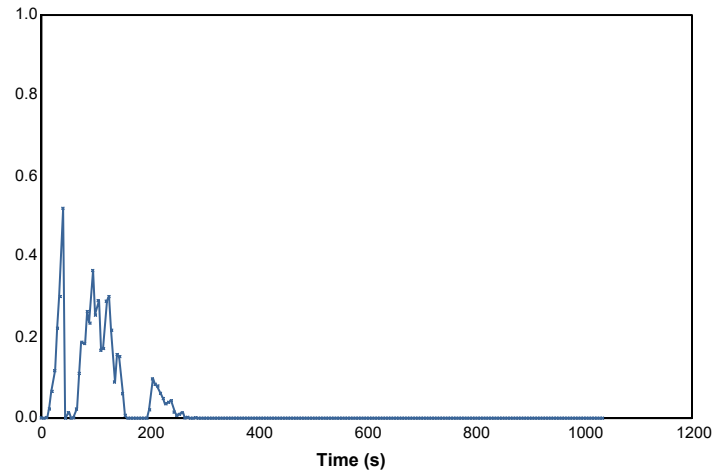
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s)/m²)



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