

# 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 :** Secler Pty Ltd T/A Decko Australia  
20 Islander Ct,  
Burleigh Waters QLD 4220

**Test Number :** 26-002202  
**Issue Date :** 24/06/2026  
**Print Date :** 6/07/2026

### Sample Description

Clients Ref : "Decko Flexistone Grande Bianco"

Flexible stone composite panel

Colour : Sand

End Use : Wall covering

Nominal Composition : 55% Stone sand 15% Cement 23% Polymer water based material  
3% Fibre 1% Water dispersant 3% Other trace additives

Nominal Thickness : Approx 5mm



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Chris Campbell

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 24-06-2026  
Operator AWTA Test Operator 21  
Face Tested Face

|                                  | Specimen |      |      | Mean |                    |
|----------------------------------|----------|------|------|------|--------------------|
|                                  | 1        | 2    | 3    |      |                    |
| Average Heat Release Rate        | 49.9     | 41.9 | 43.9 | 45.2 | kW/m <sup>2</sup>  |
| Average Specific extinction area | 56.2     | 33.0 | 19.0 | 36.1 | m <sup>2</sup> /kg |

Test orientation : Horizontal

|                                      | Specimen |       |       | Mean  |                   |
|--------------------------------------|----------|-------|-------|-------|-------------------|
|                                      | 1        | 2     | 3     |       |                   |
| Irradiance                           | 50       | 50    | 50    | 50    | kW/m <sup>2</sup> |
| Exhaust flow rate                    | 0.024    | 0.024 | 0.024 | 0.024 | m <sup>3</sup> /s |
| Time to sustained flaming            | 114      | 118   | 148   | 127   | sec               |
| Test duration                        | 672      | 657   | 595   | 641   | sec               |
| Peak heat release after ignition     | 106.8    | 84.2  | 84.9  | 91.9  | kW/m <sup>2</sup> |
| Average heat at 60 s                 | 55.6     | 56.5  | 70.7  | 60.9  | kW/m <sup>2</sup> |
| Average heat at 180 s                | 79.9     | 73.3  | 71.8  | 75.0  | kW/m <sup>2</sup> |
| Average heat at 300 s                | 79.6     | 63.8  | 57.4  | 66.9  | kW/m <sup>2</sup> |
| Total heat released                  | 28.0     | 22.6  | 19.6  | 23.4  | MJ/m <sup>2</sup> |
| Average effective heat of combustion | 9.9      | 8.5   | 8.4   | 9.0   | MJ/kg             |
| Initial thickness                    | 14       | 14    | 14    | 14.0  | mm                |
| Initial mass                         | 110.7    | 111.7 | 108.6 | 110.3 | g                 |
| Mass remaining                       | 87.9     | 89.9  | 89.6  | 89.1  | g                 |
| Mass percentage pyrolysed            | 20.6     | 19.5  | 17.5  | 19.2  | %                 |

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|                                         |     |     |     |     |                     |
|-----------------------------------------|-----|-----|-----|-----|---------------------|
| Mass loss                               | 2.8 | 2.7 | 2.3 | 2.6 | kg/m <sup>2</sup>   |
| Average rate of mass loss               | 5.0 | 4.9 | 5.2 | 5.1 | g/m <sup>2</sup> .s |
| Additional Observations                 | Nil |     |     |     |                     |
| Difficulties Encountered during Testing | Nil |     |     |     |                     |

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 Roberts 656 wallcovering adhesive prior to testing.

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

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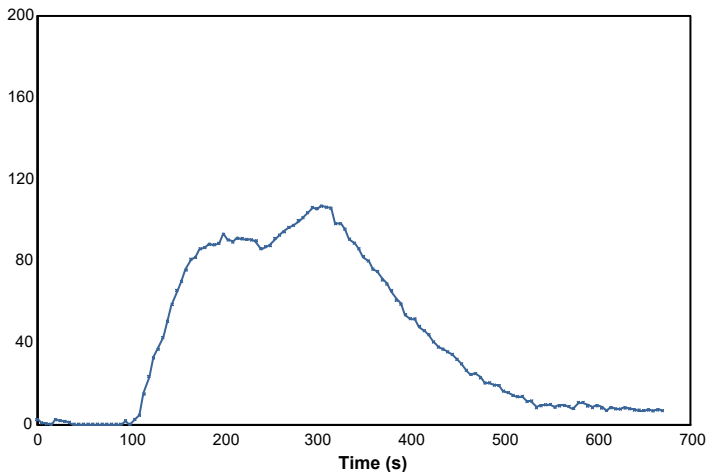
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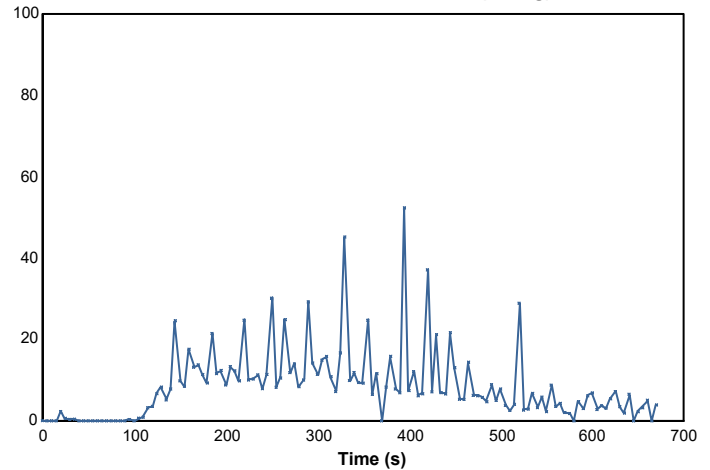
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**Issue Date :** 24/06/2026  
**Print Date :** 6/07/2026

**Specimen :** 1

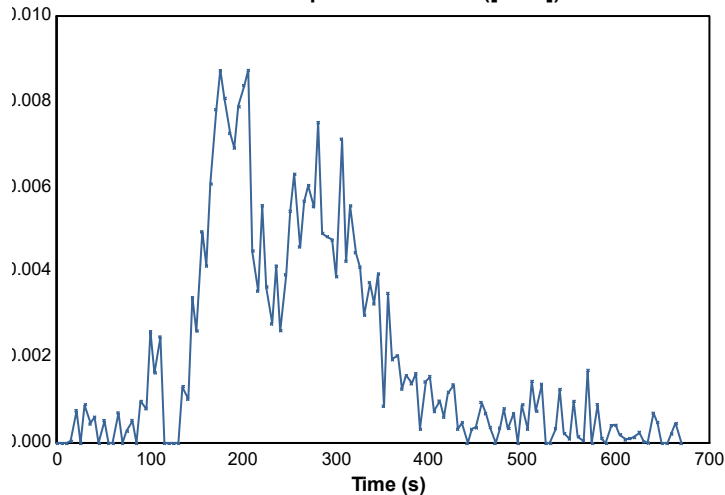
**Heat release rate (kW/m<sup>2</sup>)**



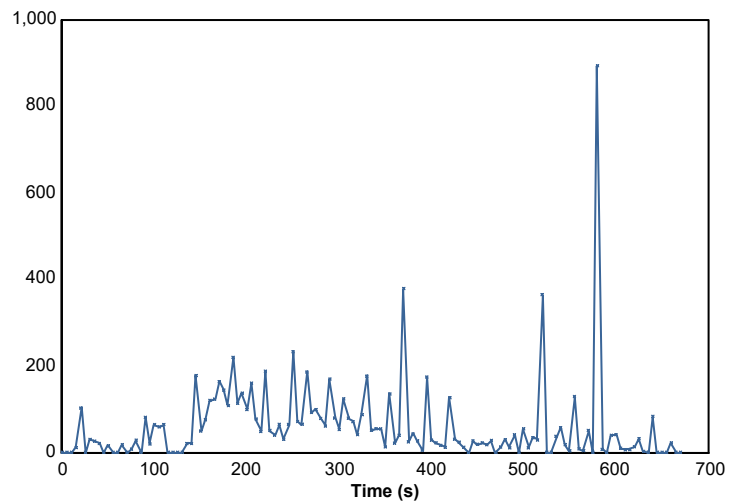
**Effective heat of combustion (MJ/kg)**



**Smoke production rate ([m<sup>2</sup>/s])**



**Specific extinction area (m<sup>2</sup>/kg)**



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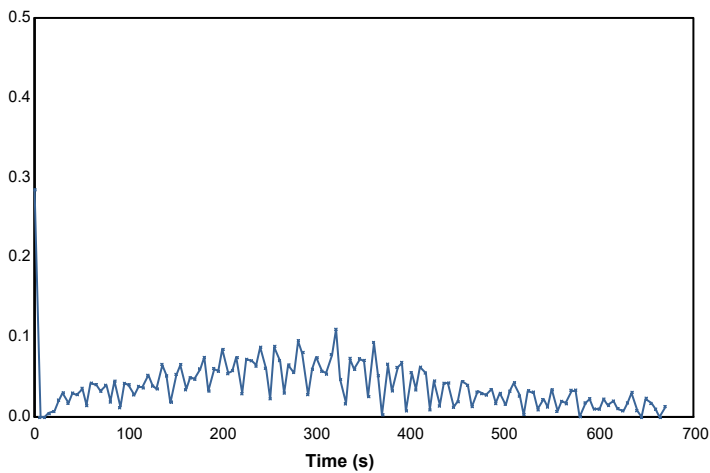
Phone (03) 9371 2400

## TEST REPORT

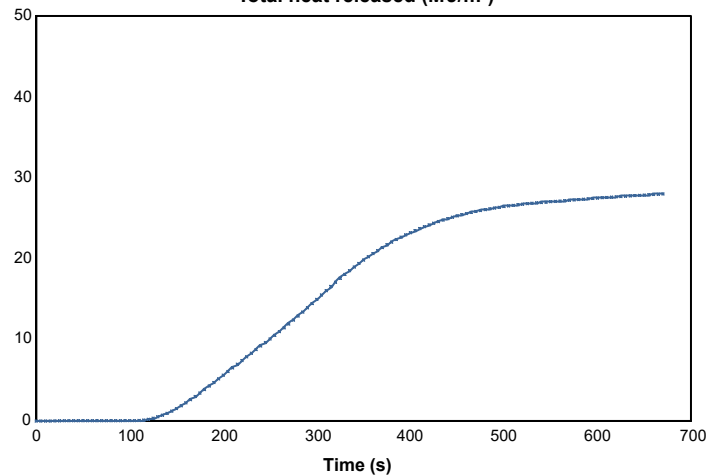
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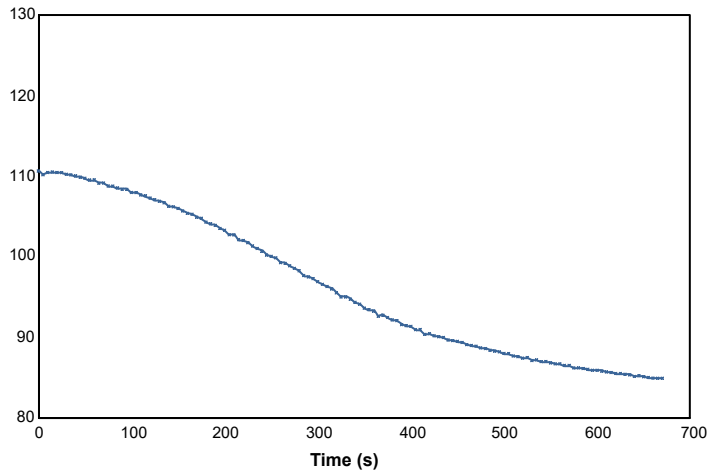
Mass loss rate (g/s)



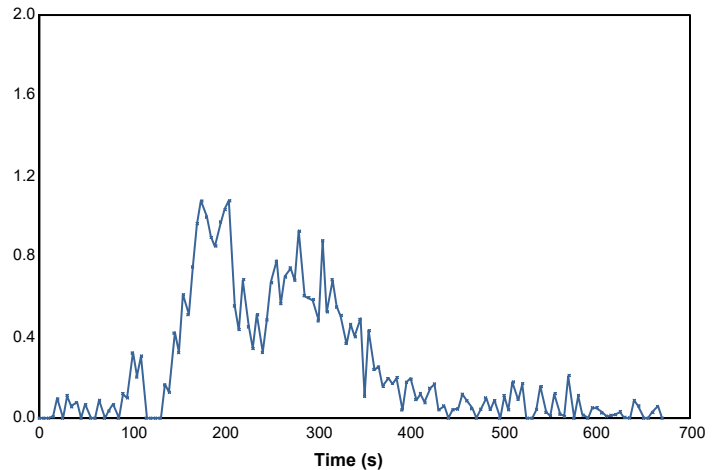
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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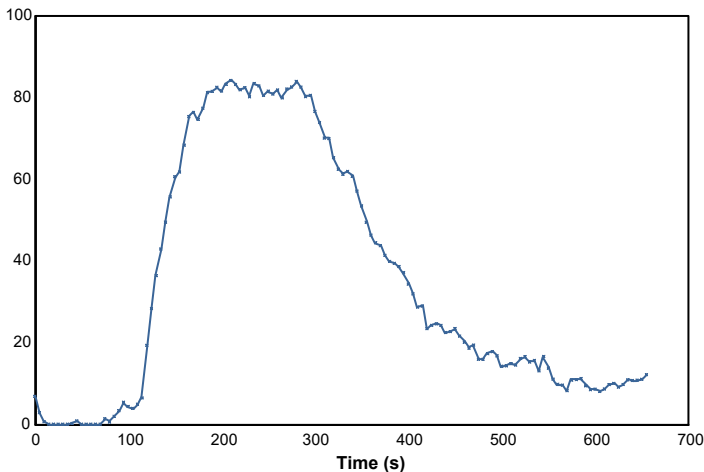
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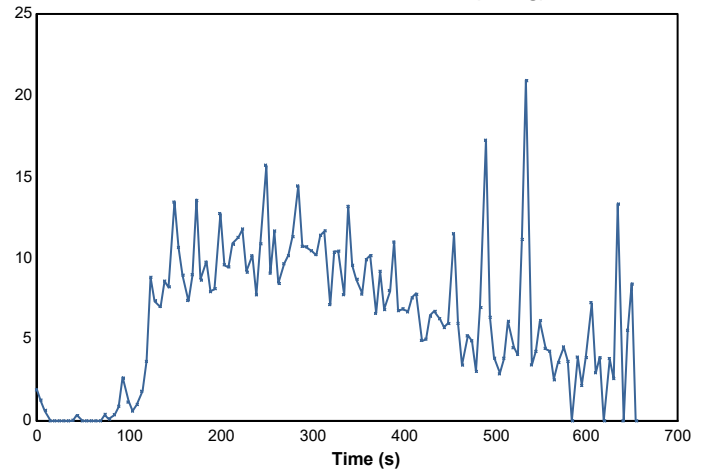
**Test Number :** 26-002202  
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**Specimen :** 2

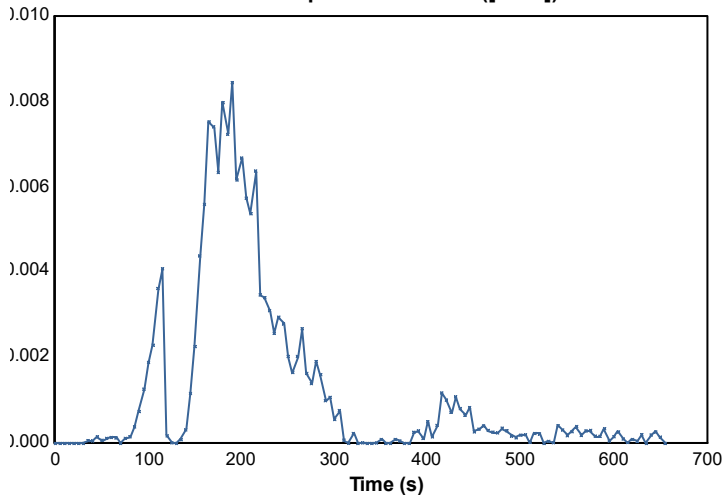
**Heat release rate (kW/m<sup>2</sup>)**



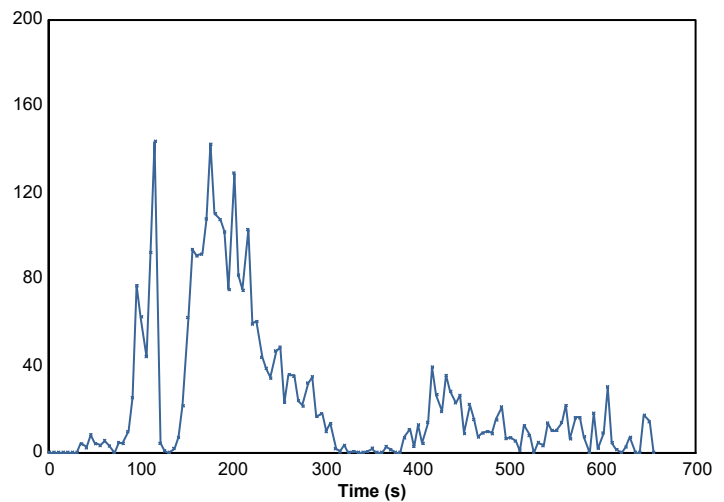
**Effective heat of combustion (MJ/kg)**



**Smoke production rate ([m<sup>2</sup>/s])**



**Specific extinction area (m<sup>2</sup>/kg)**



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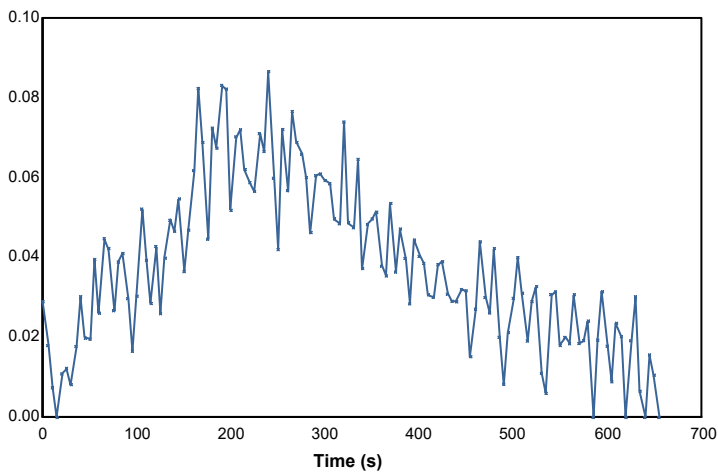
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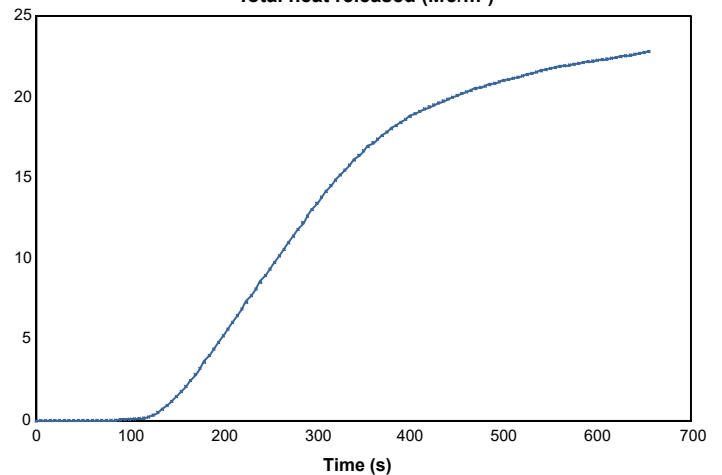
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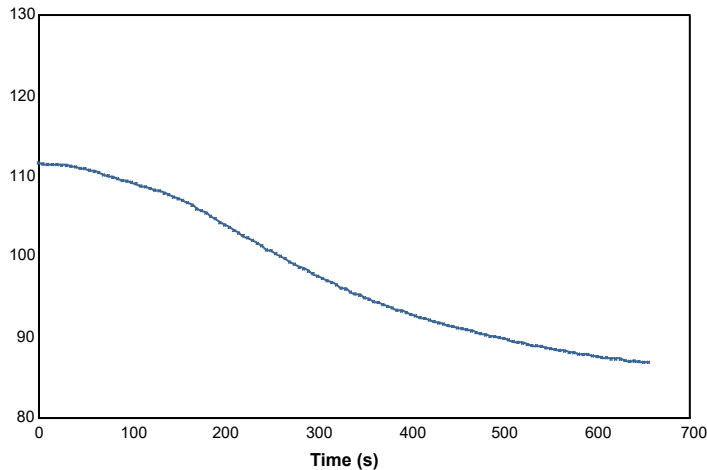
Mass loss rate (g/s)



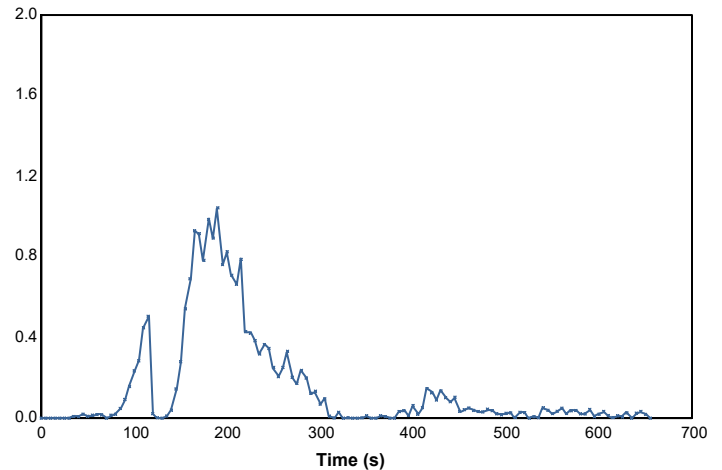
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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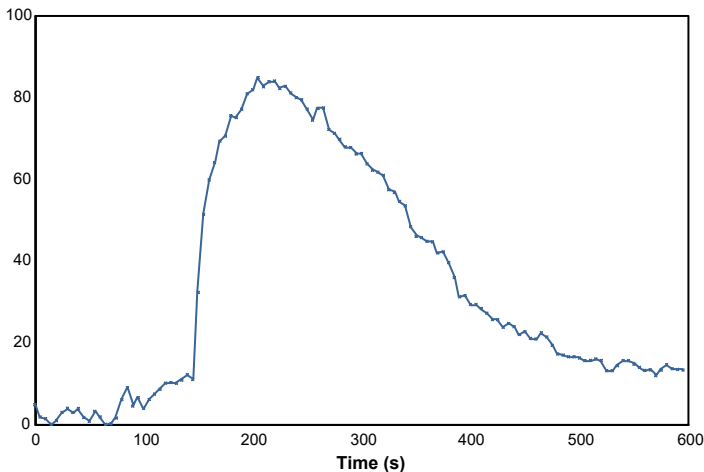
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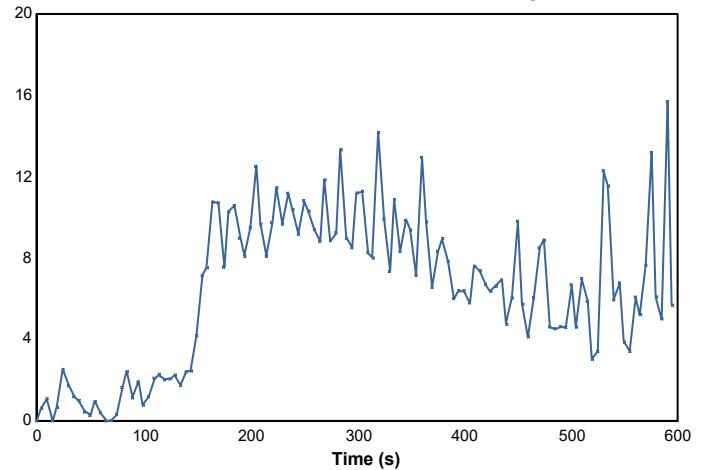
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**Specimen :** 3

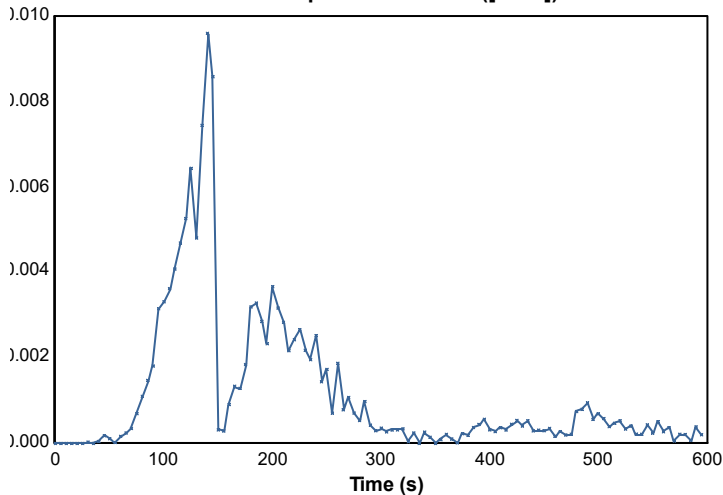
**Heat release rate (kW/m<sup>2</sup>)**



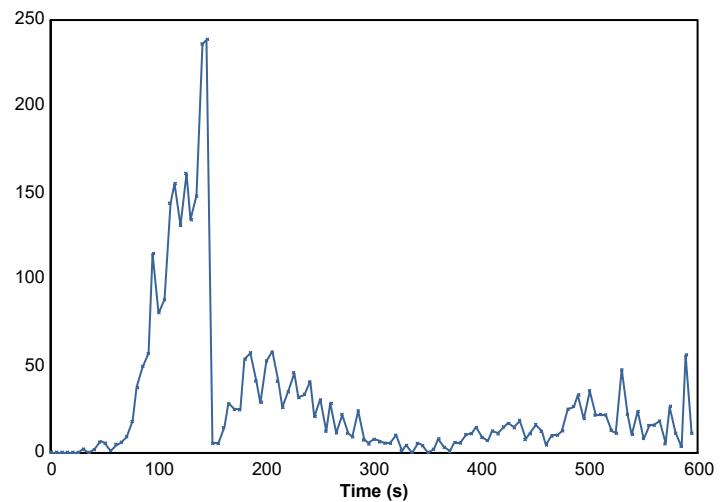
**Effective heat of combustion (MJ/kg)**



**Smoke production rate ([m<sup>2</sup>/s])**



**Specific extinction area (m<sup>2</sup>/kg)**



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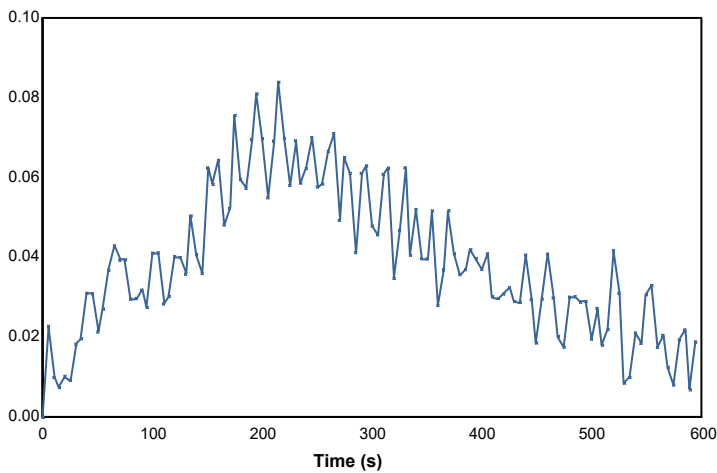
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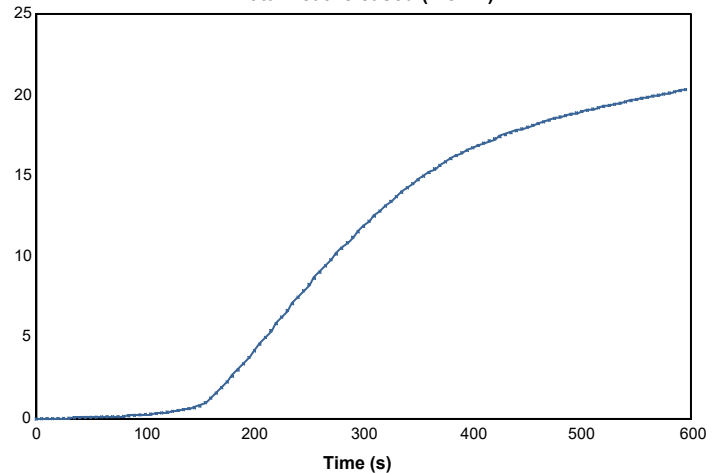
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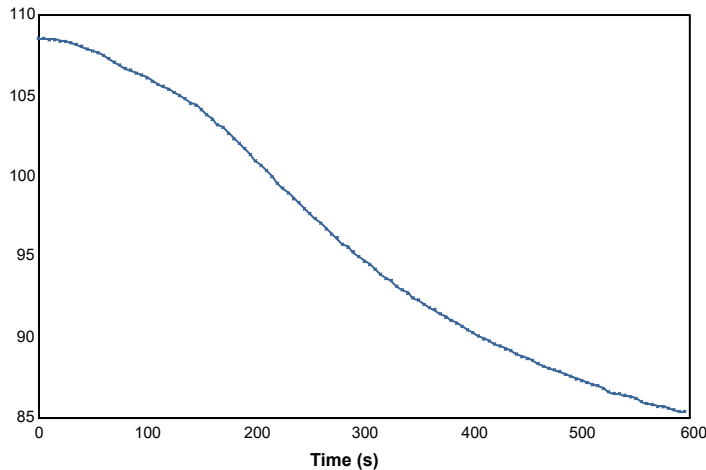
Mass loss rate (g/s)



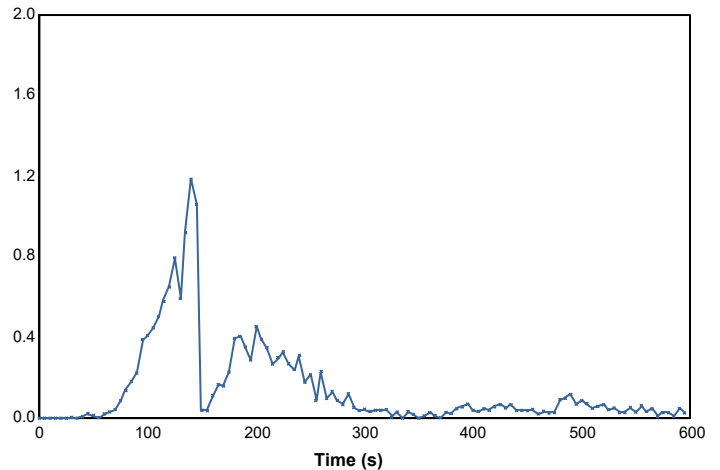
Total heat released (MJ/m<sup>2</sup>)



Mass (g)



Rate of smoke release ([m<sup>2</sup>/s]/m<sup>2</sup>)



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