



CERTIFICATE

Material Fire Test Certificate

IGNL-100321-07-01C I01 R00

DATE OF TEST 18.08.2026
19.08.2026
20.08.2026
ISSUE DATE 16.09.2026
EXPIRY DATE 15.09.2031

AS/NZS 3837:1998 Method of test
for heat and smoke release rates
for materials and products using an
oxygen consumption calorimeter

SPONSOR

Austaron Surfaces
17 Maxwell Street
Brendale QLD 4500

TEST BODY

Ignis Labs Pty Ltd
ABN 36 620 256 617
3 Cooper Place
Queanbeyan NSW 2620
Australia
www.ignislabs.com.au
(02) 6111 2909

Test body is the test location



Specimen Identification

Wall Rapture Concrete Series

Specimen Description

The sponsor described the tested specimen as wallpaper from the concrete series. It is composed of mineral, acrylic binder, and fleece. The sponsor described its colour as 'Concrete'.

The specimens were received as light grey sheets of wallpaper. The exposed face of the wallpaper contained dark grey speckles and irregular indents. The back face of the specimen was a plain grey face. The specimens were fabricated to the required test dimensions by Ignis Labs. The fabricated specimens had an average measured thickness of 0.98 mm and a measured density of 1.63 g/cc.

Ignis Labs was not responsible for the sampling stage. All specimens were sampled by the test sponsor. The test results apply to the specimens as received.

Test Method

Six (6) specimens were tested in accordance with the requirements of AS/NZS 3837. Prior to the test, the specimens were conditioned at an ambient temperature of 23 ± 2 °C and a relative humidity 50 ± 5 %. The specimens were tested with a wire grid in conjunction with the retainer frame. The specimens were less than 6 mm in thickness and as such, were tested on a 7.5 mm fibre cement substrate in accordance with Clause 2.2.3.5.

Observations

The tested specimens exhibited similar behaviour, and all ignited during the test. Smoke, peeling, and transitory flaming were observed prior to ignition, and ignition occurred at 41, 60, 51, 68, 64, and 57 seconds into the test. Flameout was observed at 108, 125, 105, 163, 163, and 128 seconds into the test, and transitory flaming was observed after flameout. The tests were ended two minutes after all transitory flaming had ceased. After the test, the specimens were charred grey and flaky on the exposed face.

Input

Test Heat Flux (kW/m ²)	50.0							
Thickness (mm)		Sp 1	Sp 2	Sp 3	Sp 4	Sp 5	Sp 6	Mean
Surface Area (m ²)	A _s	0.00884	0.00884	0.00884	0.00884	0.00884	0.00884	0.00884
Mass Before the Test (g)	m _i	118.20	111.30	114.25	116.17	112.93	123.00	115.98
Mass After the Test (g)	m _f	111.00	104.50	110.30	106.80	103.80	114.55	108.49
Time to Ignition (sec)	t _{ig}	41	60	51	68	64	57	56.83
Test Start Time (sec)	t _{start}	0	0	0	0	0	0	0.00

Calculation

Density (kg/m ³)	ρ	1563.43	1540.81	1778.70	1764.32	1516.99	1653.86	1636.35
Irradiance (kW/m ²)		49.98	49.98	49.98	49.98	49.98	49.98	49.98
Exhaust System Flow Rate (m ³ /sec)		0.024	0.024	0.024	0.024	0.024	0.024	0.02
Mass Loss (kg/m ²)		0.81	0.77	0.45	1.06	1.03	0.96	0.85
Average Rate of Mass Loss (g/m ² -s)		3.70	3.56	2.33	3.56	3.76	4.31	3.53
Total Mass Pyrolyzed (%)		6.09	6.11	3.46	8.06	8.09	6.87	6.45
Time to 50kW/m ² (sec)	t ₅₀	54.00	75.00	51.00	69.00	72.00	72.00	65.50
Ignitability Index (1/min)	I _{ig}	1.11	0.80	1.18	0.87	0.83	0.83	0.94
Test Duration (sec)		261	276	243	366	339	279	294.00

Peak Rate of Heat Release 0-60s (kW/m ²)		80.50	78.41	64.81	74.58	65.21	68.74	72.04
Peak Rate of Heat Release 0-180s (kW/m ²)		80.50	78.41	64.81	74.58	65.21	68.74	72.04
Peak Rate of Heat Release 0-300s (kW/m ²)		80.50	78.41	64.81	74.58	65.21	68.74	72.04
Average Rate of Heat Release 0-60s (kW/m ²)		67.67	65.70	49.69	67.97	62.25	59.63	62.15
Average Rate of Heat Release 0-180s (kW/m ²)		34.13	34.49	21.05	46.88	42.46	27.53	34.42
Average Rate of Heat Release 0-300s (kW/m ²)		29.65	30.53	19.93	39.07	36.49	23.51	29.86
Total Heat Released (MJ/m ²)		7.42	7.93	4.52	13.53	11.54	6.49	8.57
Average Effective Heat of Combustion (MJ/kg)	Δh _{c,eff(avg)}	9.03	10.26	10.11	12.72	11.11	6.77	10.00
Average specific Extinction Area (m ² /kg)	Σ _{f(avg)}	9.09	17.87	18.45	10.28	5.45	17.26	13.06

Test Supervisor
Darren Laker

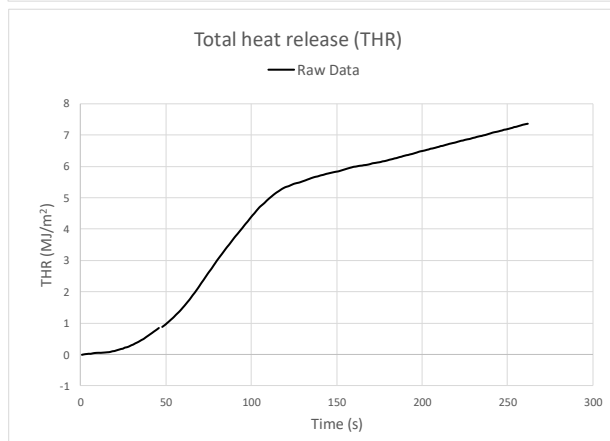
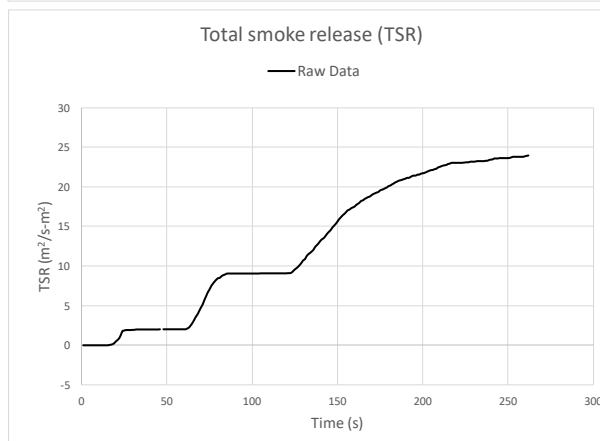
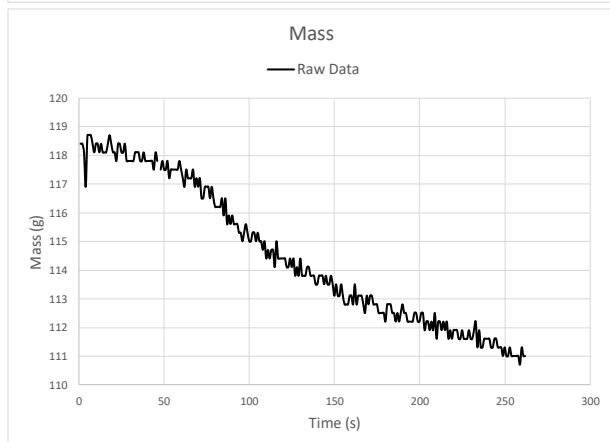
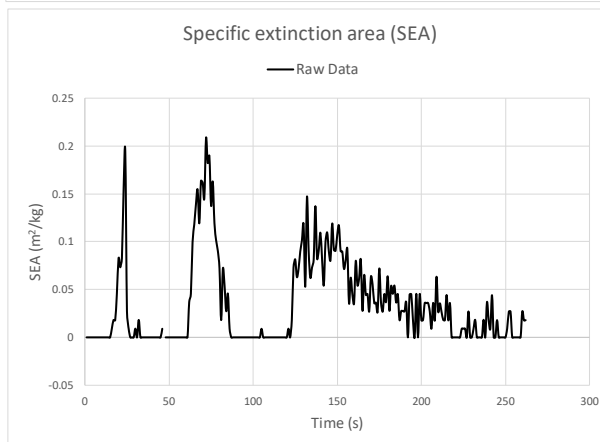
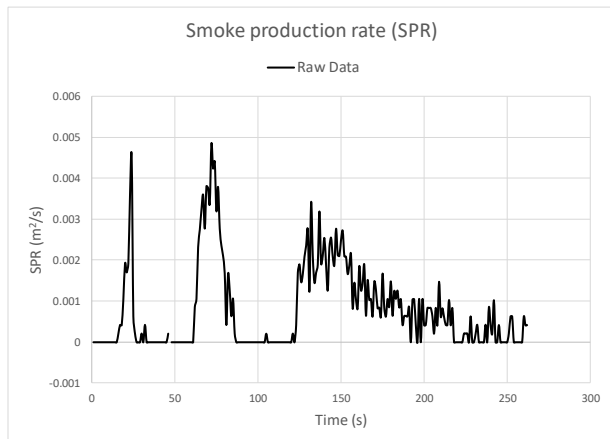
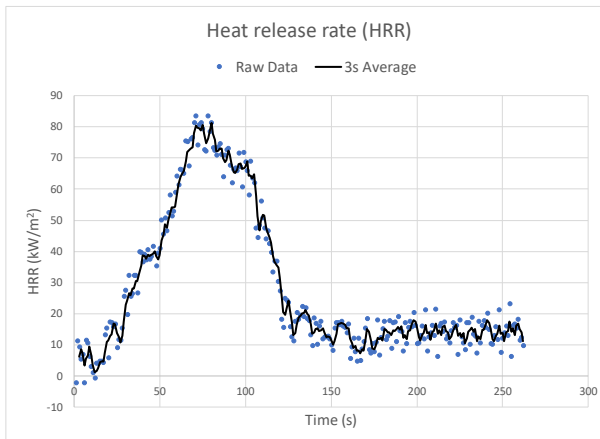
Technical Lead
Jessica Ying

Version: IGNL-QF-050-Issue 03 Revision 04

Disclaimer These test results relate only to the behaviour of the test specimens of the material under the particular conditions of the test, and they are not intended to be the sole criterion for assessing the potential fire hazard of the material in use. The results of these fire tests may be used to directly assess fire hazard, but it should be recognized that a single test method will not provide a full assessment of fire hazard under all fire conditions. The information contained in this document is provided for the sole use of the recipient and no reliance should be placed on the information by any other person. In the event that the information is disclosed or furnished to any other person, the Ignis Labs Pty Ltd accepts no liability for any loss or damage incurred by that person whatsoever as a result of using the information.

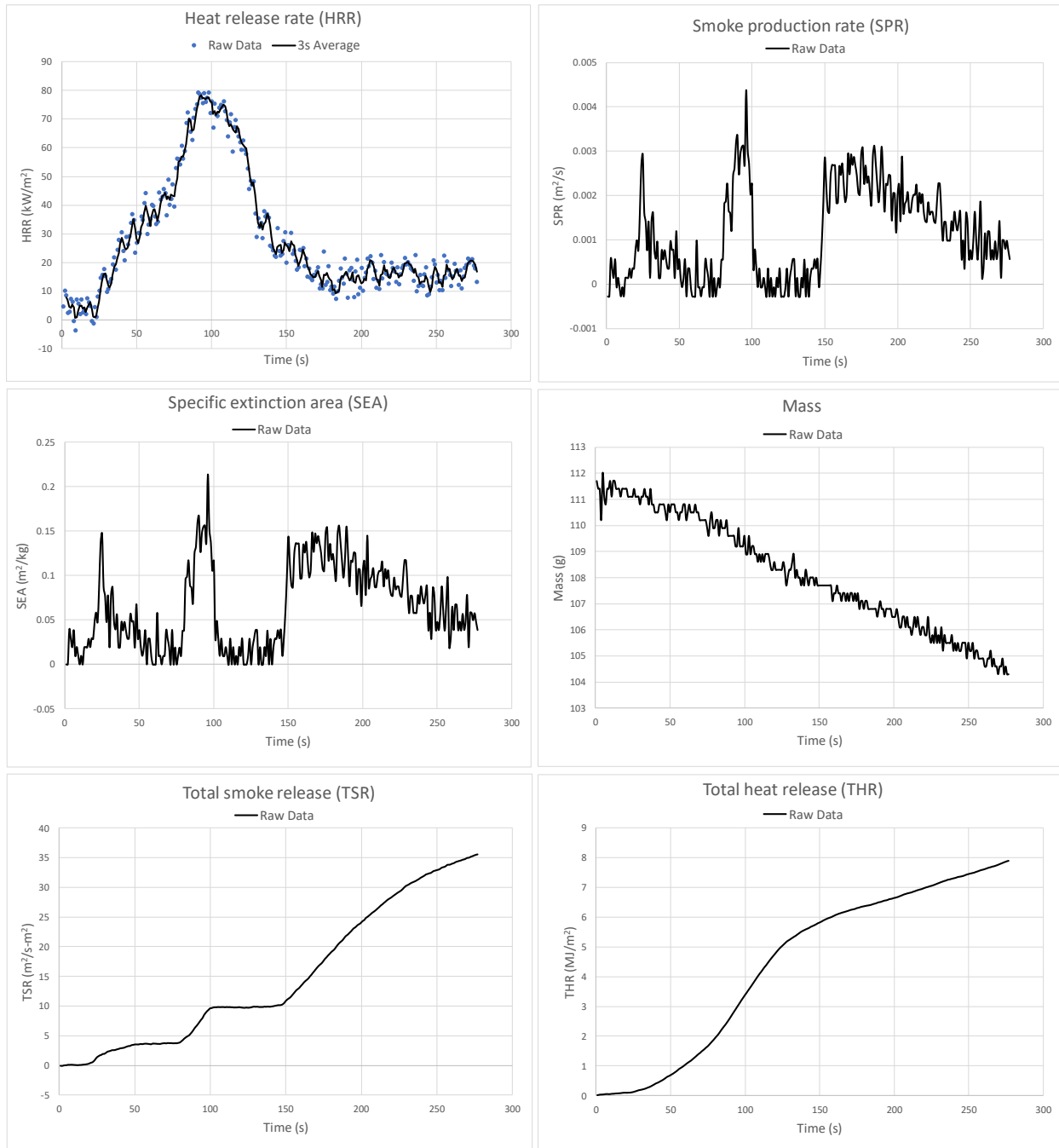
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SPECIMEN 1 GRAPHS



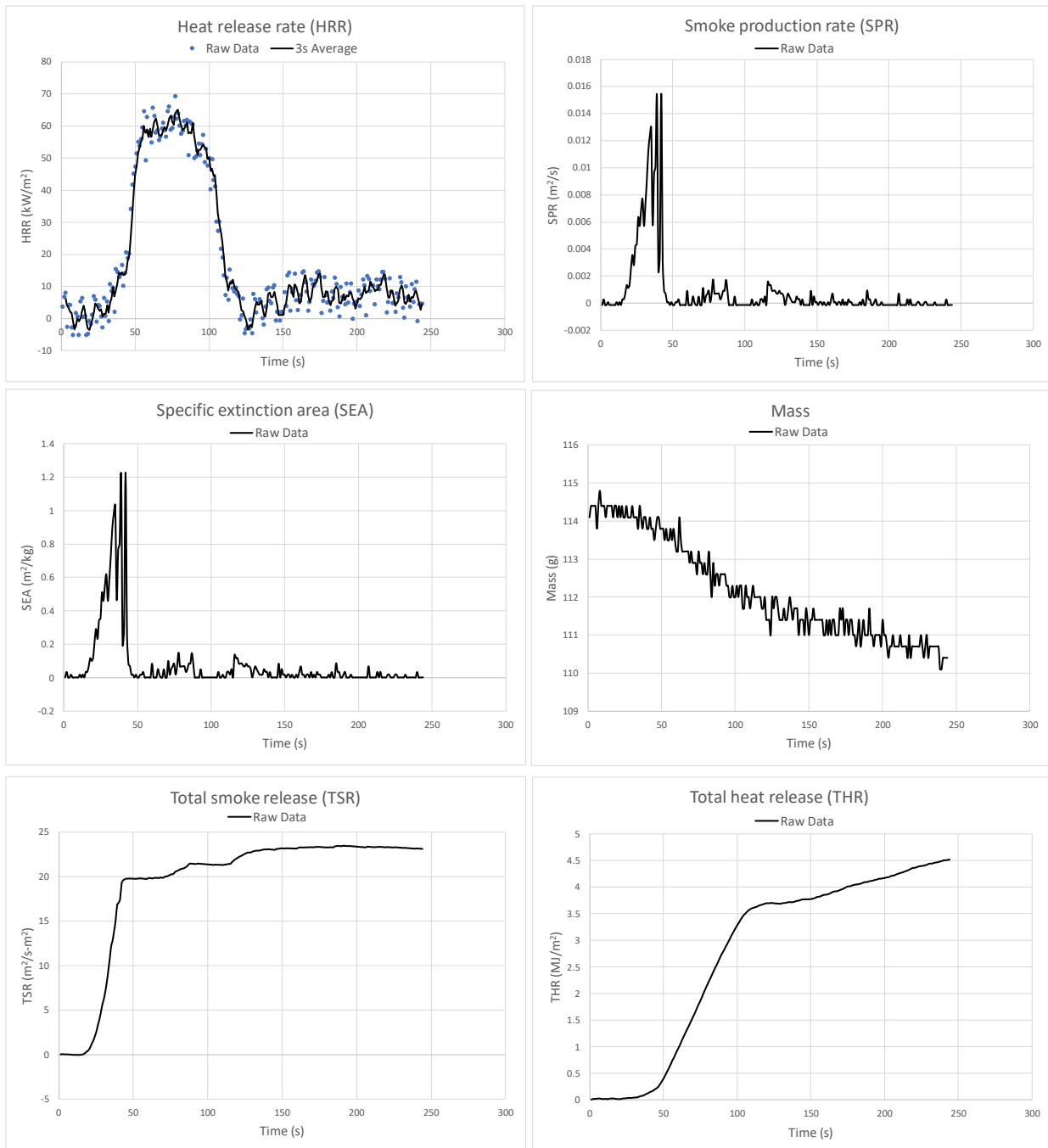
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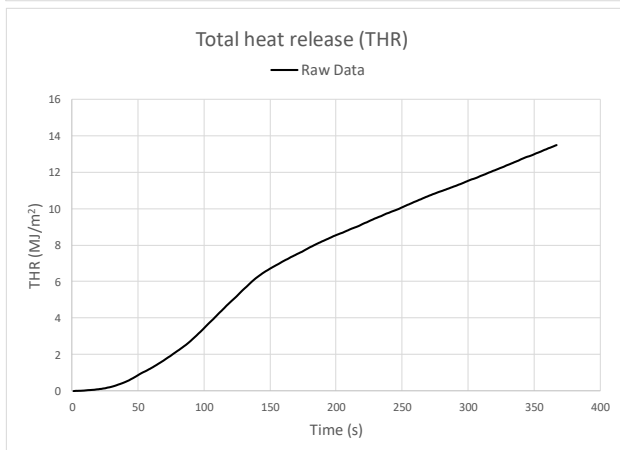
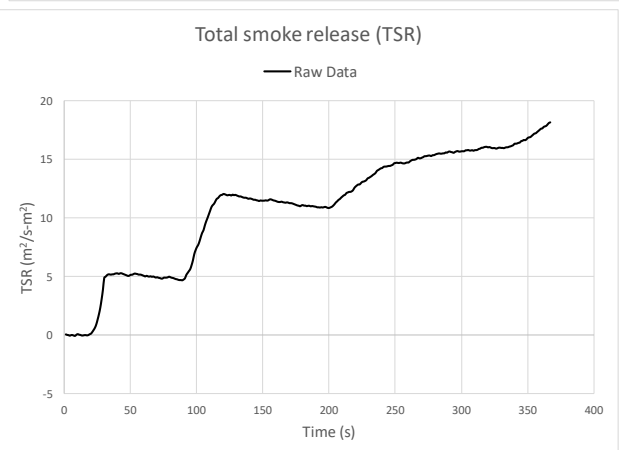
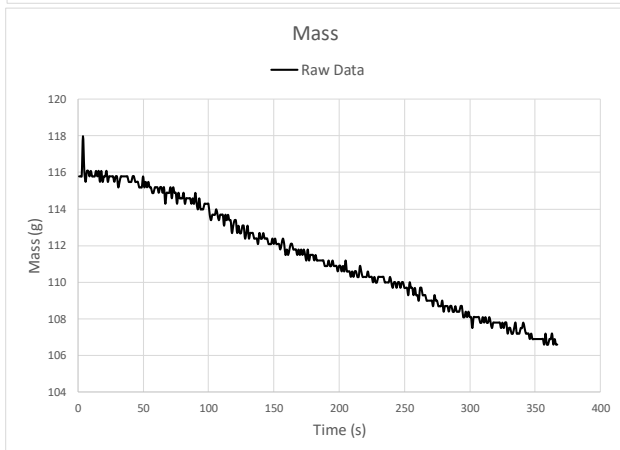
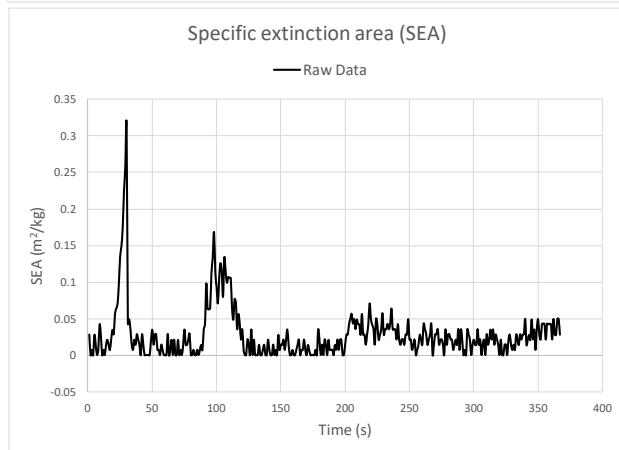
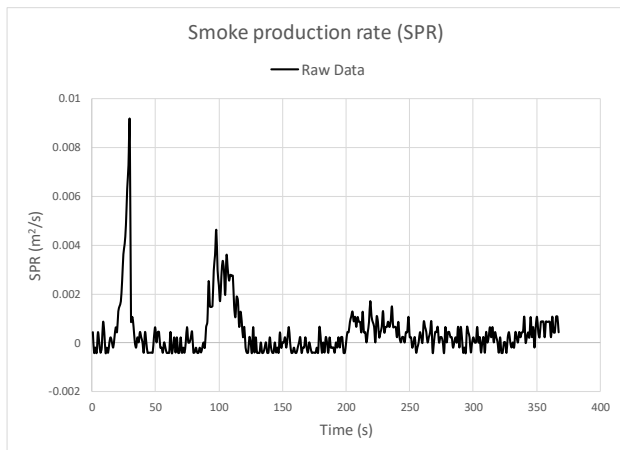
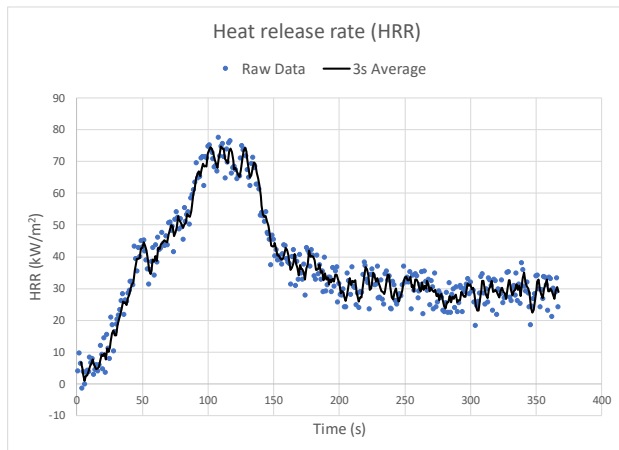
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SPECIMEN 3 GRAPHS



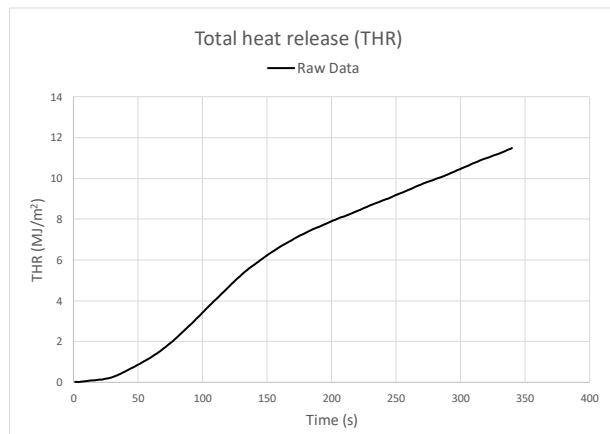
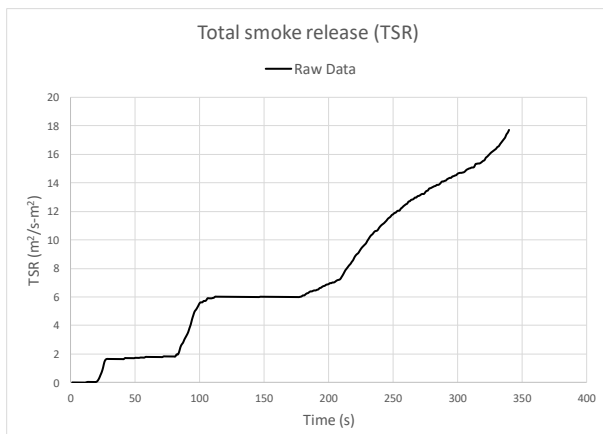
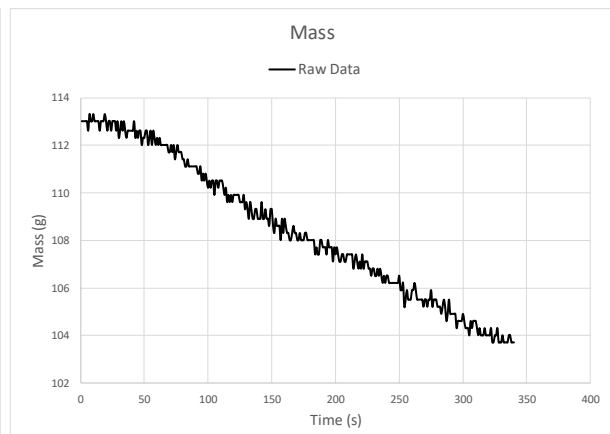
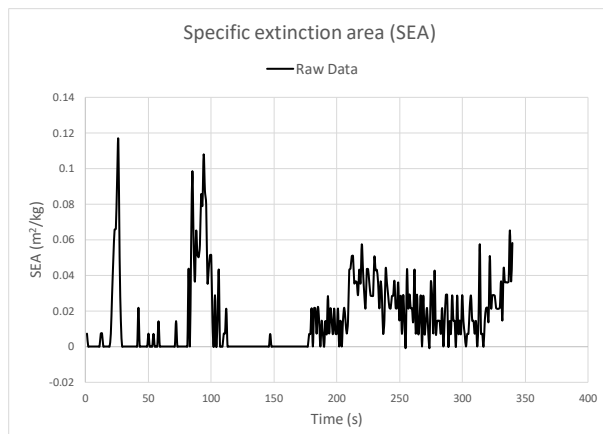
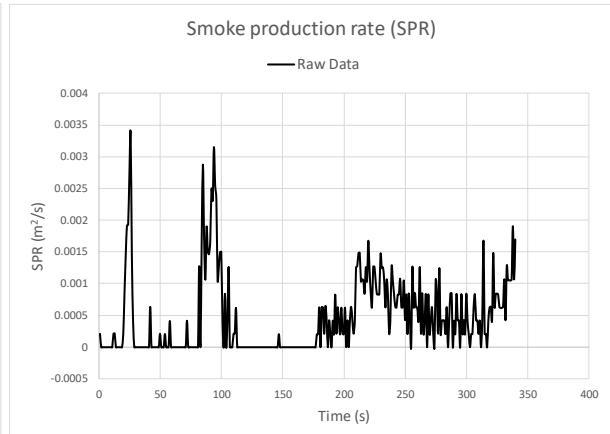
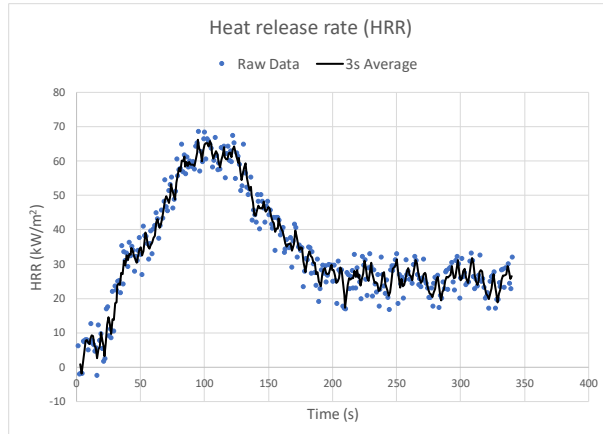
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SPECIMEN 4 GRAPHS



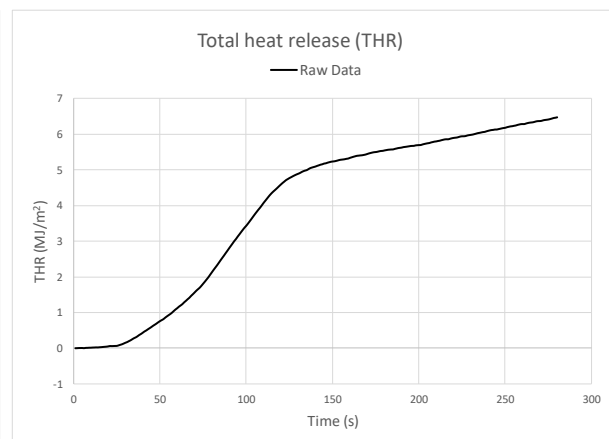
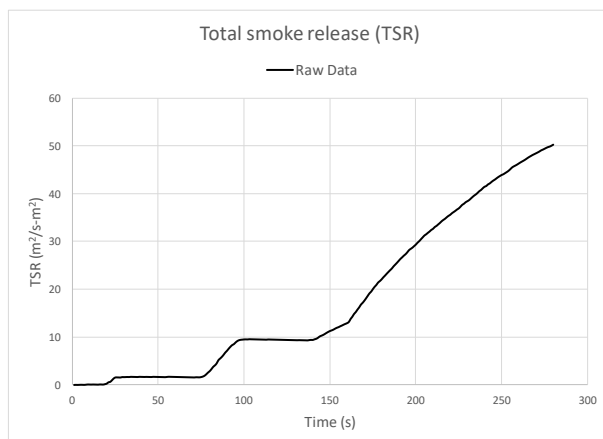
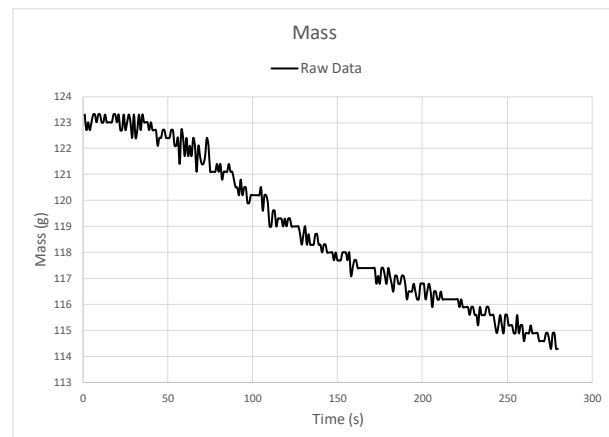
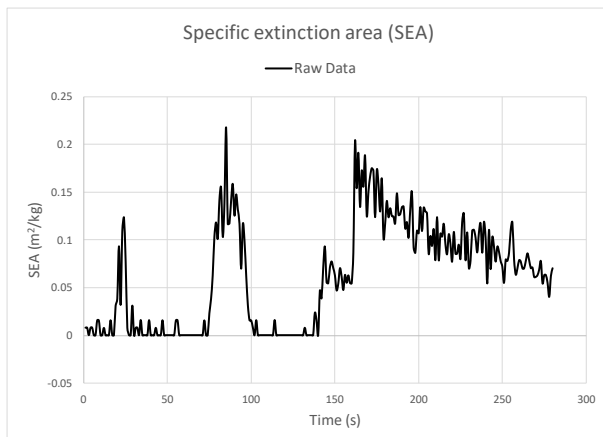
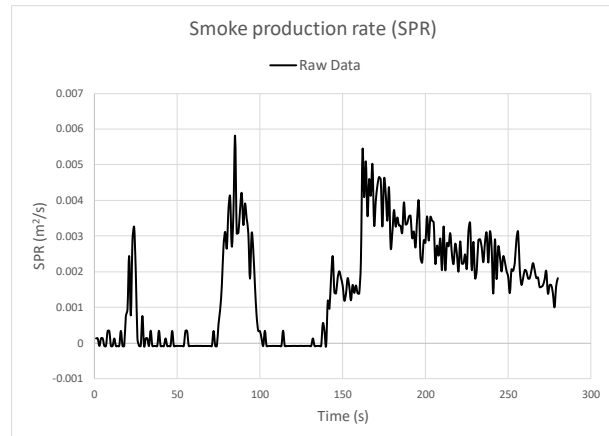
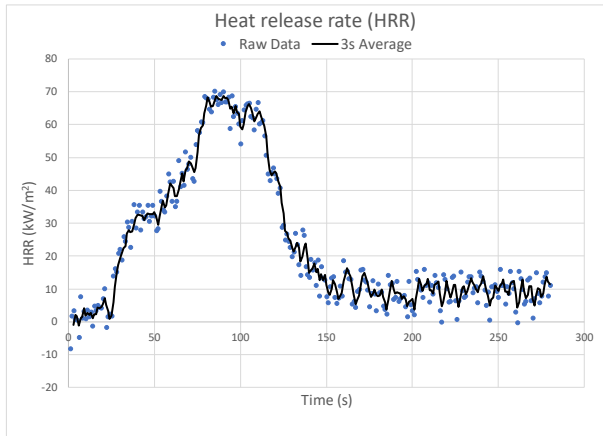
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SPECIMEN 5 GRAPHS



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SPECIMEN 6 GRAPHS



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