



CERTIFICATE

Material Fire Test Certificate

IGNL-100321-07-03C I01 R00

DATE OF TEST 18.08.2026
19.08.2026
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 Structure Series

Specimen Description

The sponsor described the tested specimen as wallpaper from the structure series. It is composed of mineral, acrylic binder, and fleece. The sponsor described its colour as 'Concrete'. It has a nominal thickness of 1.5 ± 0.5 mm.

The specimens were received as light grey sheets of wallpaper. The exposed face of the wallpaper contained a wood-grain texture, while the unexposed face had a plain grey finish. Specimens were fabricated to the test dimensions by Ignis Labs. The fabricated specimens had an average measured thickness of 1.77 mm and an averaged measured density of 1.23 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 test specimens exhibited equivalent behaviour, and all ignited during the test. Smoke, peeling, and transitory flaming was observed prior to ignition, and ignition occurred at 45, 57, 62, 63, 60, and 47 seconds into the test for specimens 1 to 6 respectively. Flameout was observed at 123, 176, 202, 166, 189, and 149 seconds into the test, and transitory flaming was observed after flameout. The tests were ended two minutes after all signs of 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
		1.74	1.88	1.81	1.79	1.70	1.69	1.77
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	118.35	116.52	114.90	112.05	113.75	123.57	116.52
Mass After the Test (g)	m_f	112.15	109.90	109.40	106.15	108.20	117.50	110.55
Time to Ignition (sec)	t_{ig}	45	57	62	63	60	47	55.67
Test Start Time (sec)	t_{start}	0	0	0	0	0	0	0.00

Calculation

Density (kg/m^3)	ρ	1089.00	1283.65	1325.52	1242.36	1336.83	1110.22	1231.26
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)		0.70	0.75	0.62	0.67	0.63	0.69	0.68
Average Rate of Mass Loss ($\text{g/m}^2\cdot\text{s}$)		3.54	1.64	1.45	1.74	1.42	3.12	2.15
Total Mass Pyrolyzed (%)		5.24	5.68	4.79	5.27	4.88	4.91	5.13
Time to 50kW/m ² (sec)	t_{50}	75.00	39.00	114.00	72.00	123.00	54.00	79.50
Ignitability Index (1/min)	I_{ig}	0.80	1.54	0.53	0.83	0.49	1.11	0.88
Test Duration (sec)		243	513	492	447	501	267	410.50

Peak Rate of Heat Release 0-60s (kW/m^2)		58.43	55.84	55.18	56.96	52.93	55.55	55.82
Peak Rate of Heat Release 0-180s (kW/m^2)		58.43	71.36	65.30	58.96	54.42	55.55	60.67
Peak Rate of Heat Release 0-300s (kW/m^2)		58.43	71.36	65.30	58.96	54.42	55.55	60.67
Average Rate of Heat Release 0-60s (kW/m^2)		51.72	53.05	48.47	54.53	45.95	51.28	50.83
Average Rate of Heat Release 0-180s (kW/m^2)		22.61	47.56	41.59	39.50	37.57	29.47	36.38
Average Rate of Heat Release 0-300s (kW/m^2)		20.71	37.86	33.92	30.73	29.51	24.62	29.56
Total Heat Released (MJ/m^2)		5.26	15.43	13.10	11.25	11.38	6.37	10.47
Average Effective Heat of Combustion (MJ/kg)	$\Delta h_{c,eff(avg)}$	7.51	20.59	21.02	16.84	18.10	9.28	15.56
Average specific Extinction Area (m^2/kg)	$\Sigma_{(avg)}$	12.04	11.50	7.34	6.55	6.77	3.02	7.87

Test Supervisor
Darren Laker

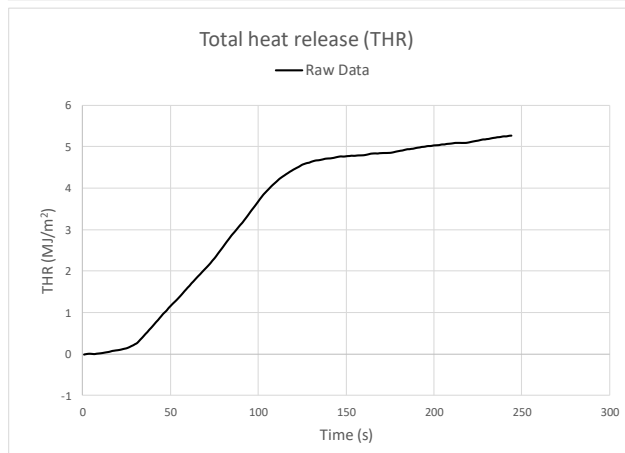
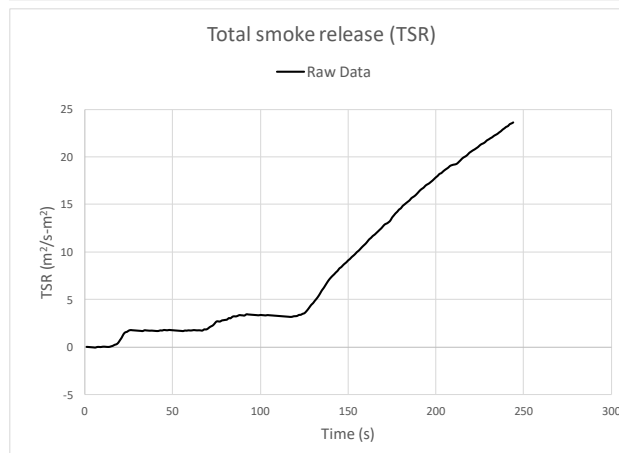
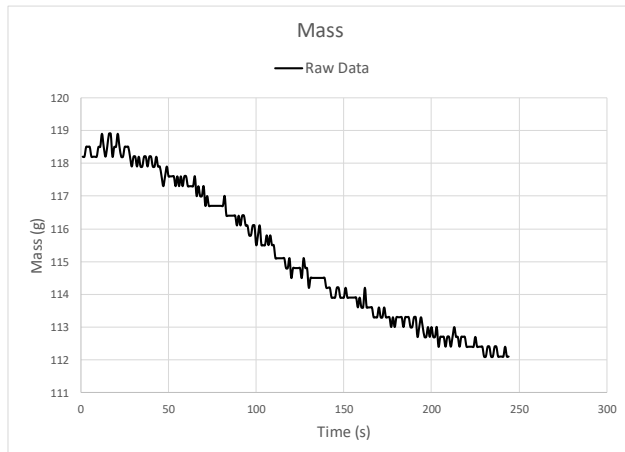
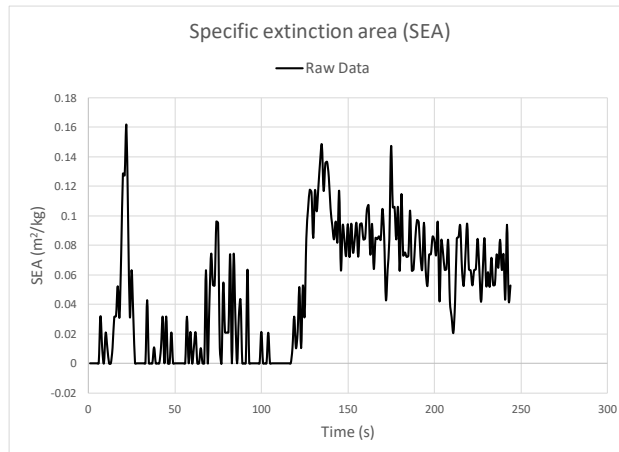
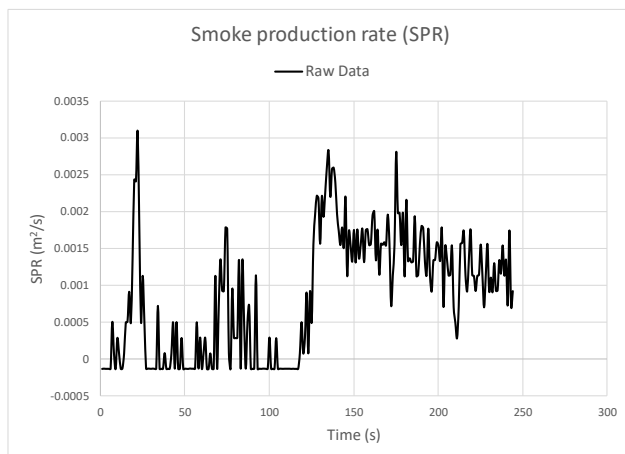
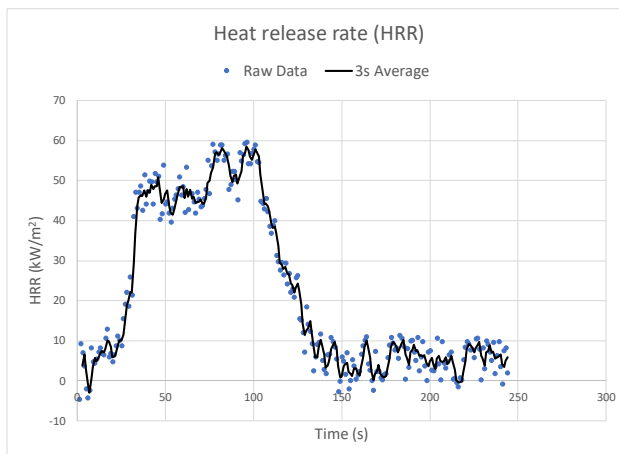
Technical Lead
Jessica Ying

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.

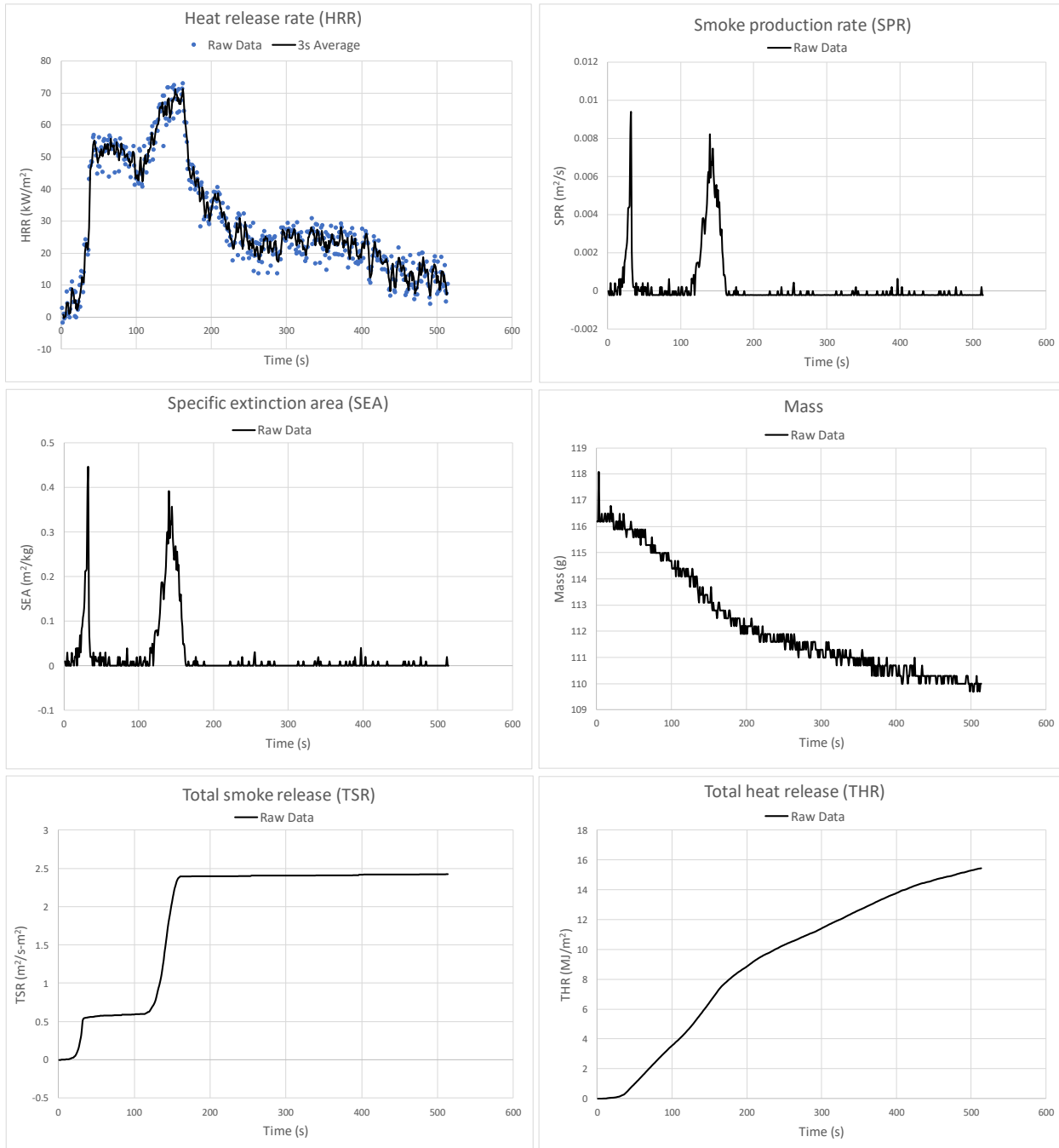
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SPECIMEN 1 GRAPHS



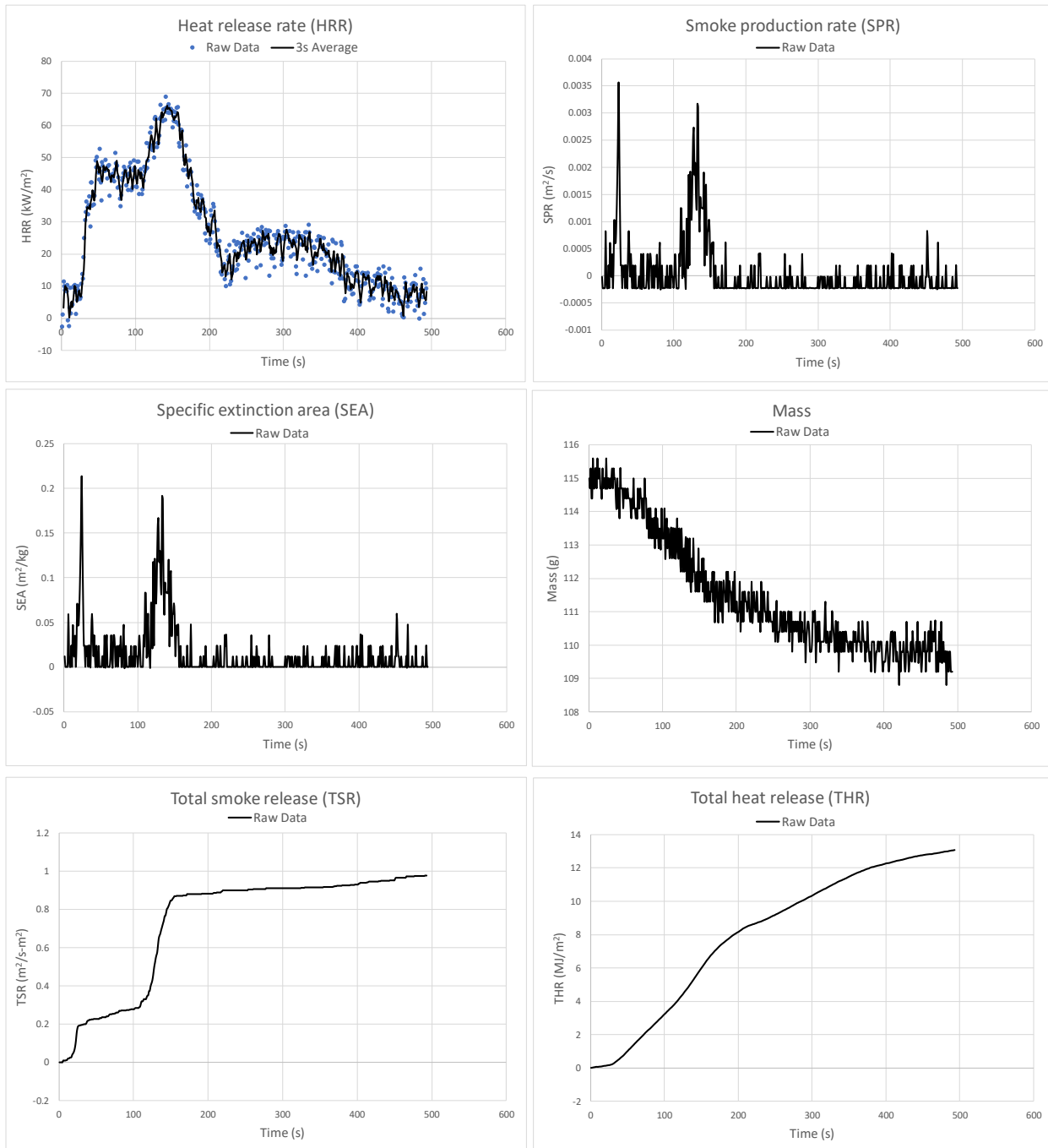
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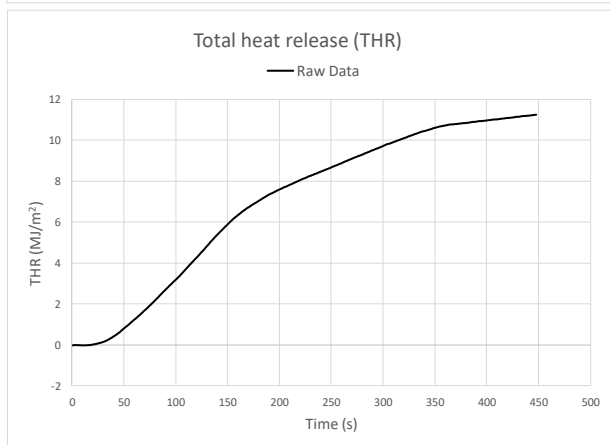
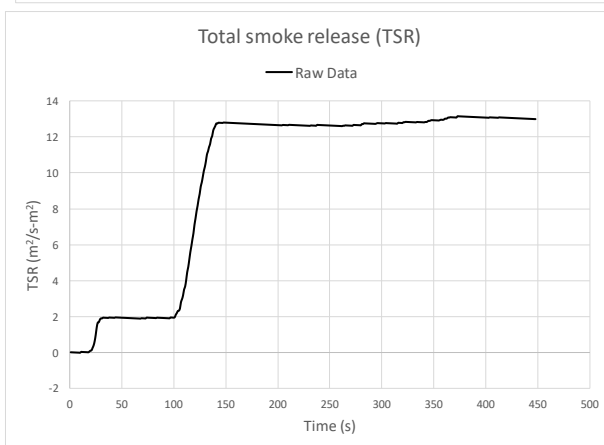
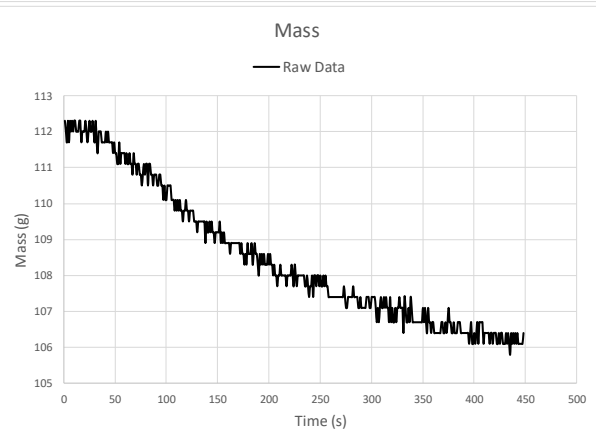
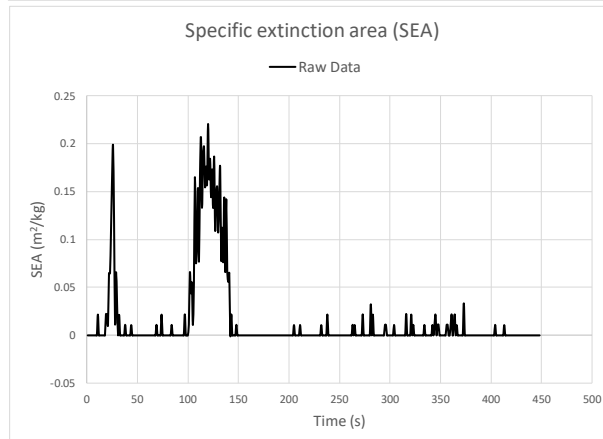
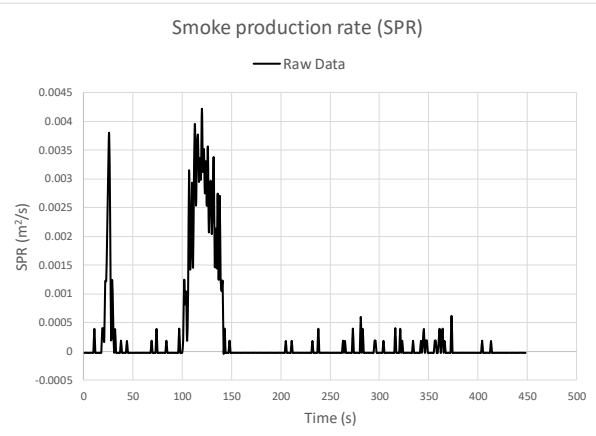
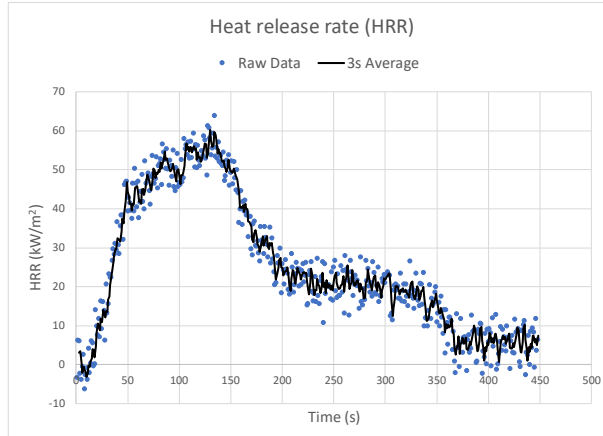
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SPECIMEN 3 GRAPHS



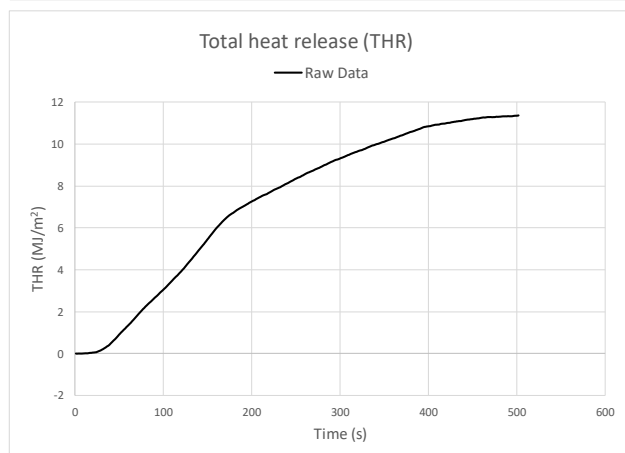
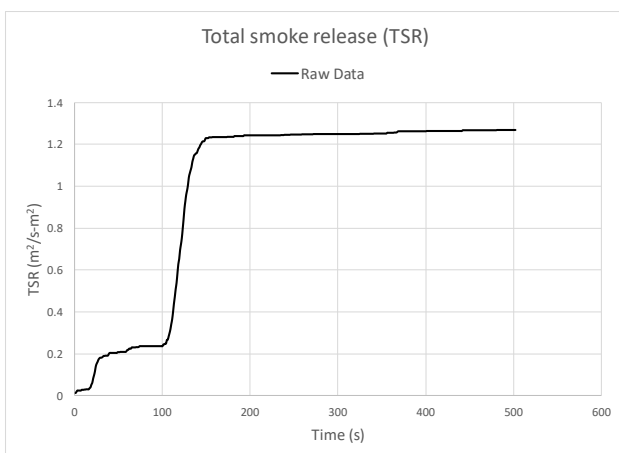
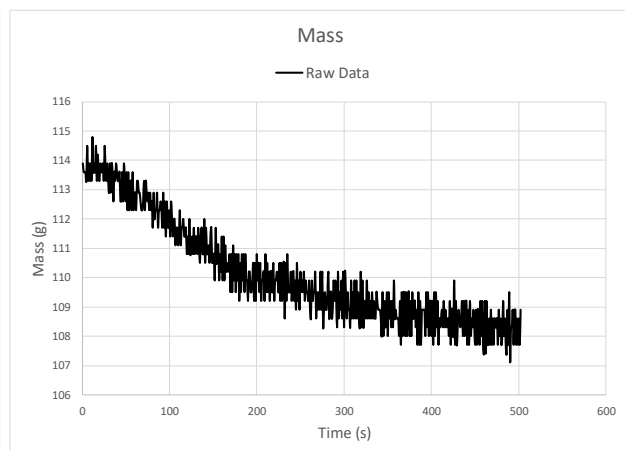
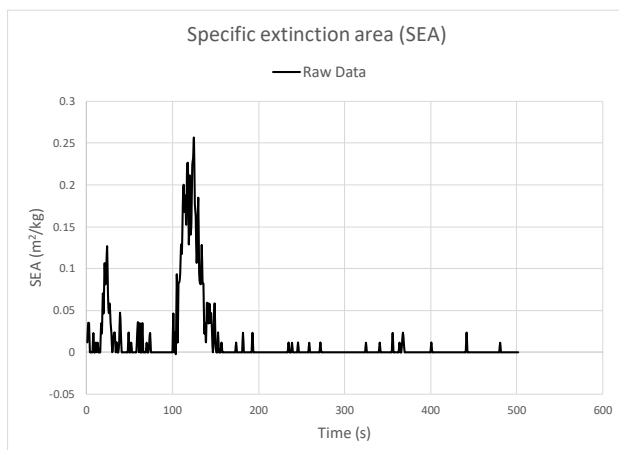
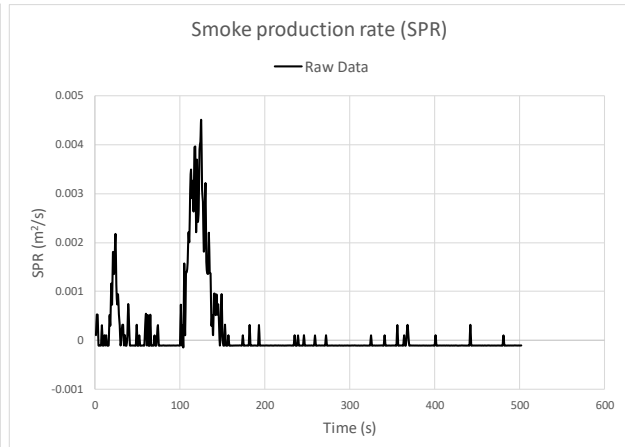
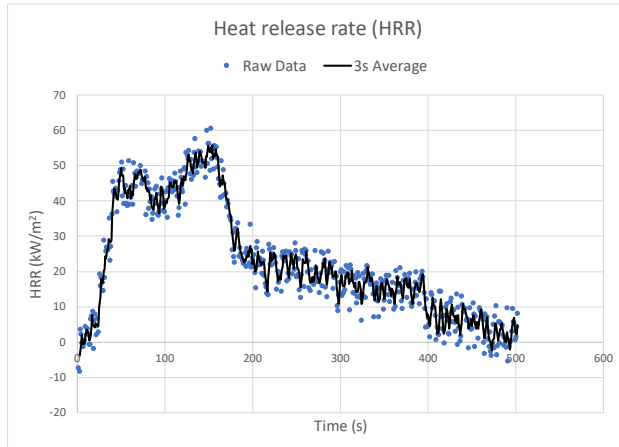
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SPECIMEN 4 GRAPHS



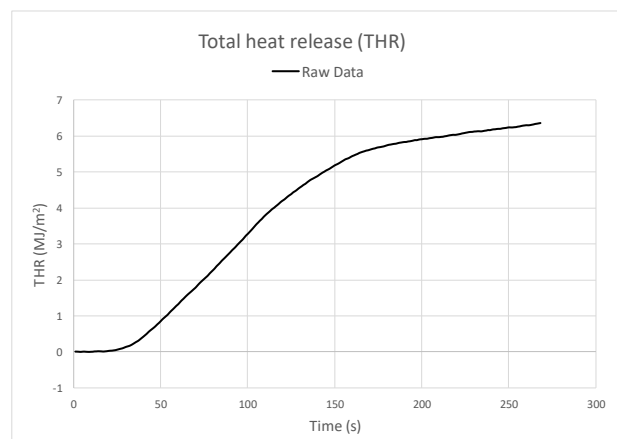
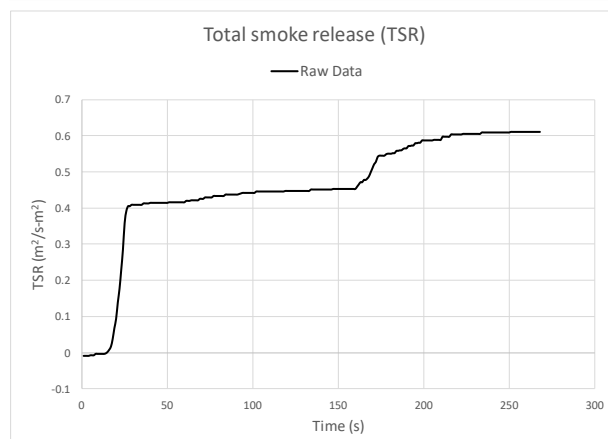
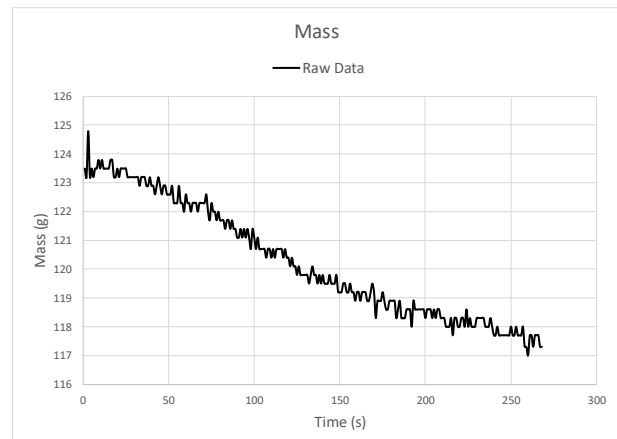
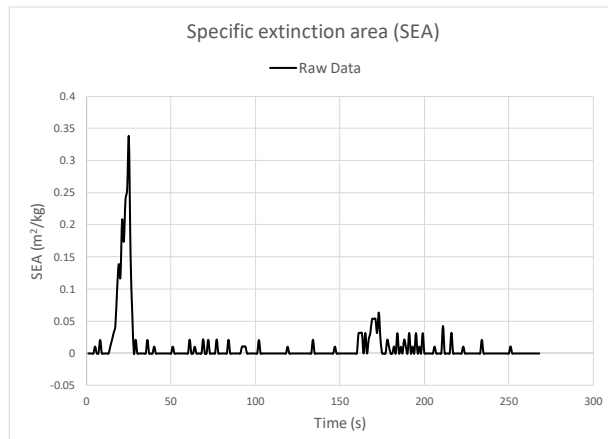
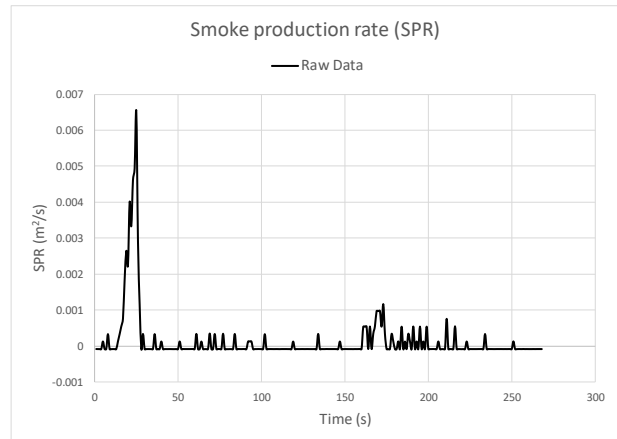
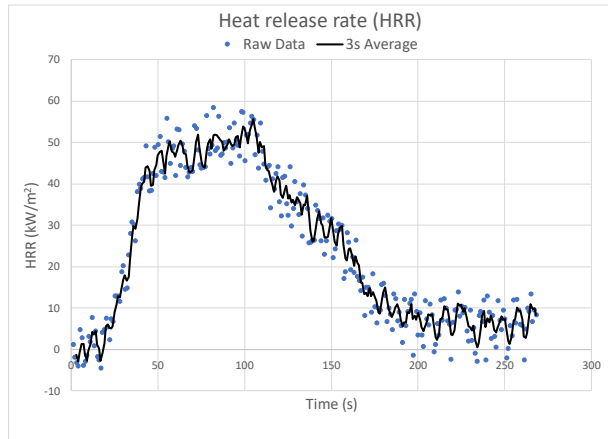
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SPECIMEN 5 GRAPHS



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SPECIMEN 6 GRAPHS



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END OF TEST CERTIFICATE