



CERTIFICATE

Material Fire Test Certificate

IGNL-9598-07-01C I01 R00

DATE OF TEST 07.07.2026
ISSUE DATE 06.08.2026
EXPIRY DATE 05.08.2031

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

SPONSOR
Easycraft
2 Wella Way
Somersby NSW 2250

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

Ikara

Specimen Description

The sponsor described the tested specimen as a moisture resistant E0 MDF wall and ceiling lining pre-finished with timber-look vinyl wrap. It has a nominal composition of MDF and vinyl. It has a nominal density of 770 kg/m³ and a nominal thickness of 15 mm. The sponsor described its colour as 'Boston Oak' and has an end use as wall and ceiling lining. The sponsor also described the tested specimen as Ikara pre-finished linings.

The specimens were received as light brown MDF panels with a timber-look vinyl wrap applied to the exposed surface. Each panel incorporated tongue-and-groove joints along two opposing edges. The measured thickness was approximately 17.07 mm at the raised sections and 11.34 mm at the recessed sections. The vinyl had a measured thickness of 0.21 mm. The test specimens were fabricated to the test dimensions by Ignis Labs, and the vinyl-wrapped surface was exposed during the test.

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

Three (3) 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 results reported herein shall not be used to derive a Group Number in accordance with the NCC without undertaking validation of the performance that is predicted.

Observations

The tested specimens exhibited equivalent behaviour and all ignited during the test. Smoke was observed prior to ignition and ignition occurred at 29, 31, and 24 seconds into the test for specimens 1 to 3 respectively. Flameout was observed at 1239, 1392, and 1878 seconds into the test. After the test, the specimens were charred and exhibited delamination.

Input

Test Heat Flux (kW/m ²)	50.0							
		Sp 1	Sp 2	Sp 3	Sp 4	Sp 5	Sp 6	Mean
Thickness (mm)		14.20	14.17	14.15	-	-	-	14.17
Surface Area (m ²)	A _s	0.00884	0.00884	0.00884	-	-	-	0.00884
Mass Before the Test (g)	m _i	106.05	105.25	105.80	-	-	-	105.70
Mass After the Test (g)	m _f	22.40	22.05	19.60	-	-	-	21.35
Time to Ignition (sec)	t _{ig}	29	31	24	-	-	-	28.00
Test Start Time (sec)	t _{start}	0	0	0	-	-	-	0.00

Calculation

Density (kg/m ³)	ρ	737.41	732.40	738.90	-	-	-	736.24
Irradiance (kW/m ²)		50	50	50	-	-	-	50.00
Exhaust System Flow Rate (m ³ /sec)		0.024	0.024	0.024	-	-	-	0.02
Mass Loss (kg/m ²)		9.46	9.41	9.75	-	-	-	9.54
Average Rate of Mass Loss (g/m ² .s)		7.11	6.36	4.94	-	-	-	6.14
Total Mass Pyrolyzed (%)		78.88	79.05	81.47	-	-	-	79.80
Time to 50kW/m ² (sec)	t ₅₀	27.00	27.00	18.00	-	-	-	24.00
Ignitability Index (1/min)	I _{ig}	2.22	2.22	3.33	-	-	-	2.59
Test Duration (sec)		1359	1512	1998	-	-	-	1623.00

Peak Rate of Heat Release 0-60s (kW/m ²)		165.66	176.66	177.55	-	-	-	173.29
Peak Rate of Heat Release 0-180s (kW/m ²)		165.66	176.66	177.55	-	-	-	173.29
Peak Rate of Heat Release 0-300s (kW/m ²)		165.66	176.66	177.55	-	-	-	173.29
Average Rate of Heat Release 0-60s (kW/m ²)		144.24	153.34	151.26	-	-	-	149.61
Average Rate of Heat Release 0-180s (kW/m ²)		118.77	115.19	120.20	-	-	-	118.05
Average Rate of Heat Release 0-300s (kW/m ²)		104.06	100.34	106.30	-	-	-	103.57
Total Heat Released (MJ/m ²)		100.21	98.51	122.64	-	-	-	107.12
Average Effective Heat of Combustion (MJ/kg)	Δh _{c,eff(avg)}	10.59	10.46	12.57	-	-	-	11.21
Average specific Extinction Area (m ² /kg)	Σ _{f(avg)}	39.99	33.85	42.59	-	-	-	38.81

Test Supervisor

Darren Laker

Technical Lead

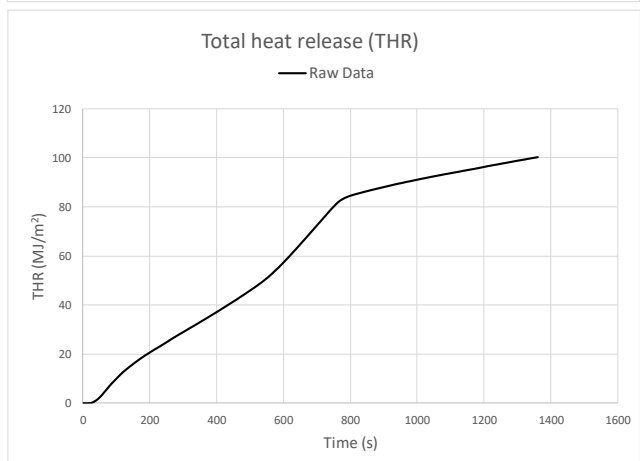
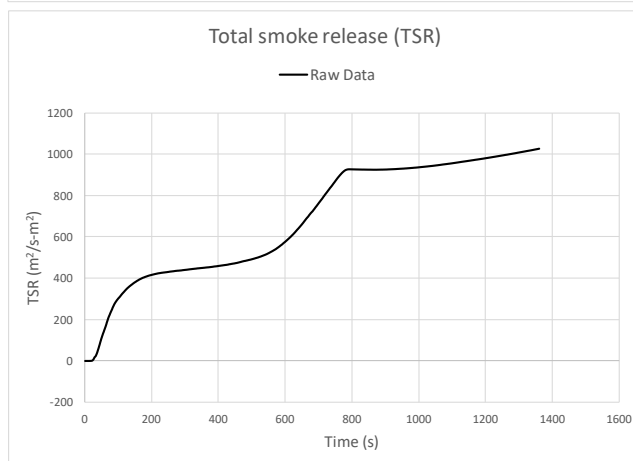
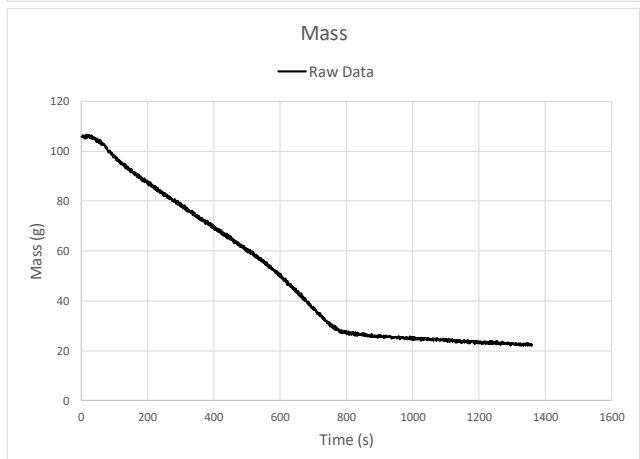
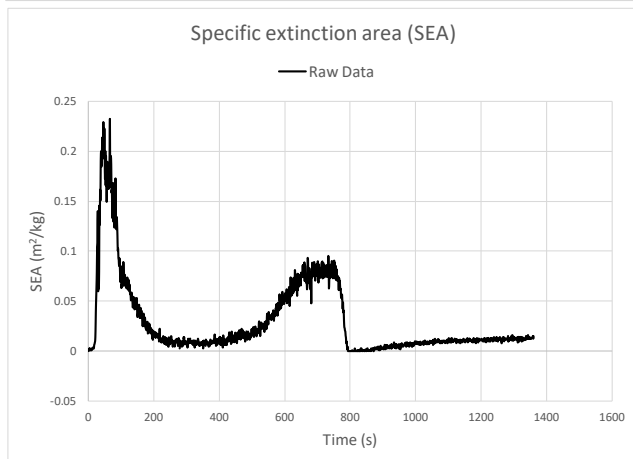
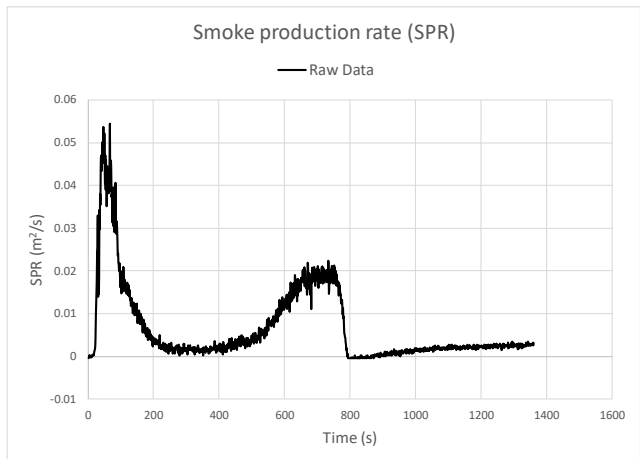
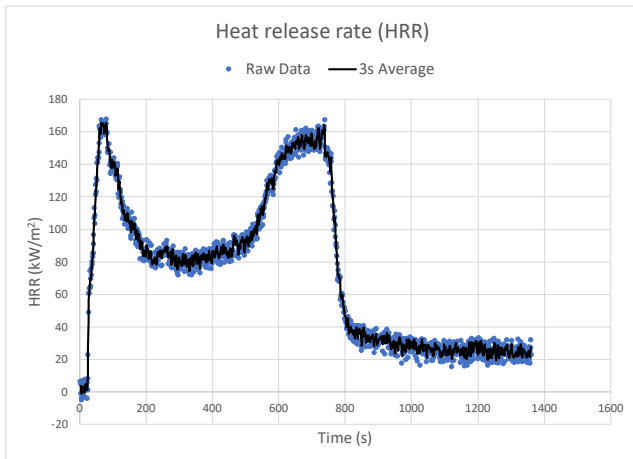
Jessica Ying

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.

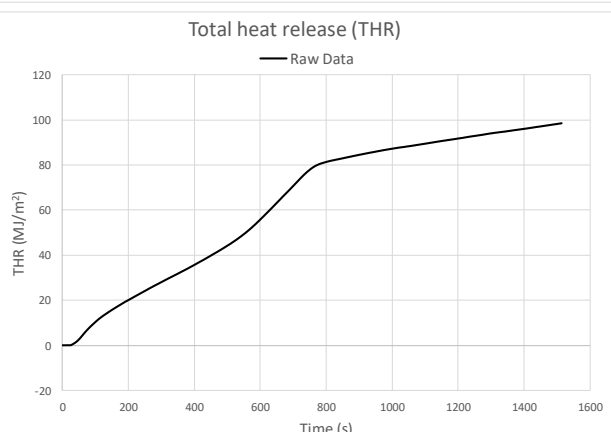
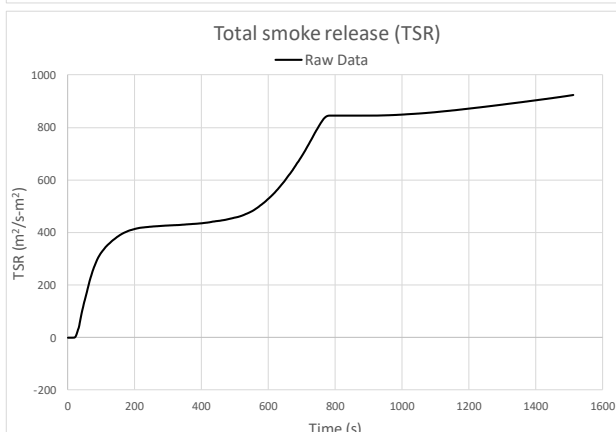
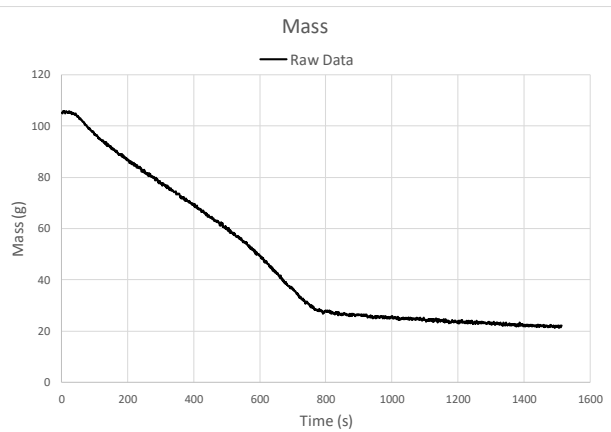
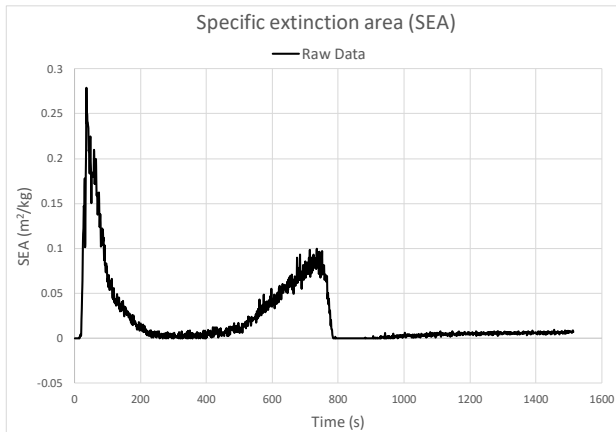
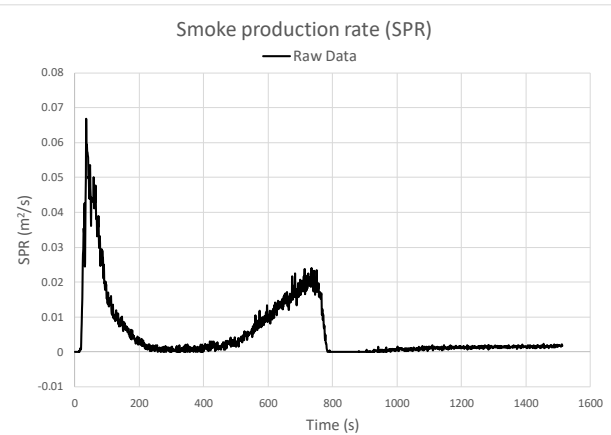
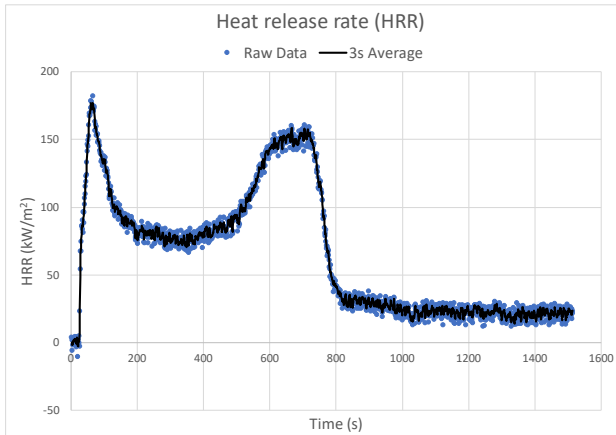
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SPECIMEN 1 GRAPHS



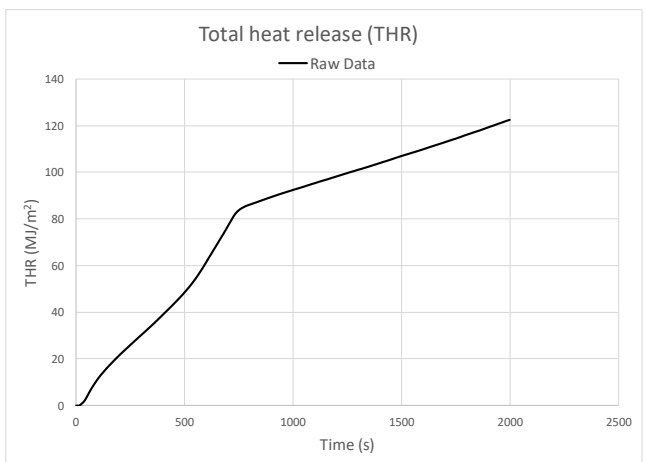
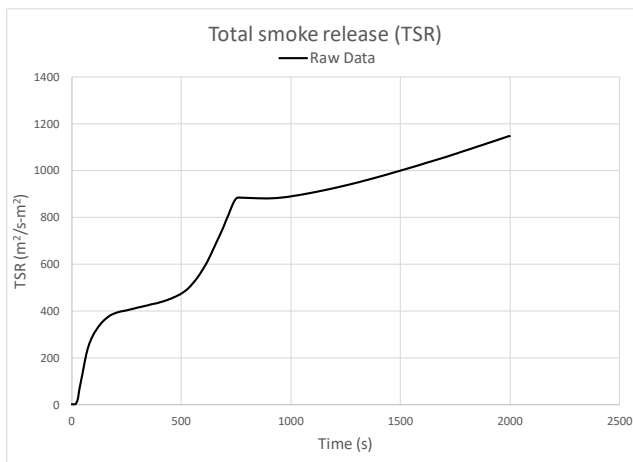
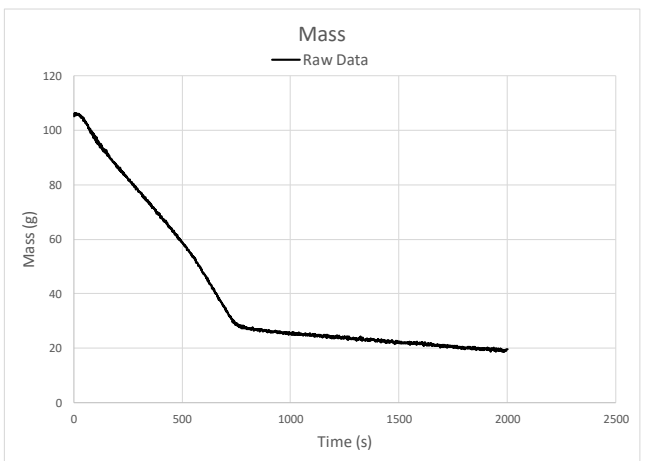
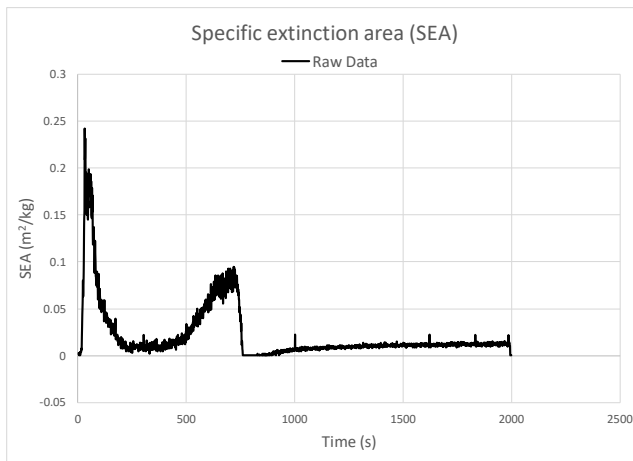
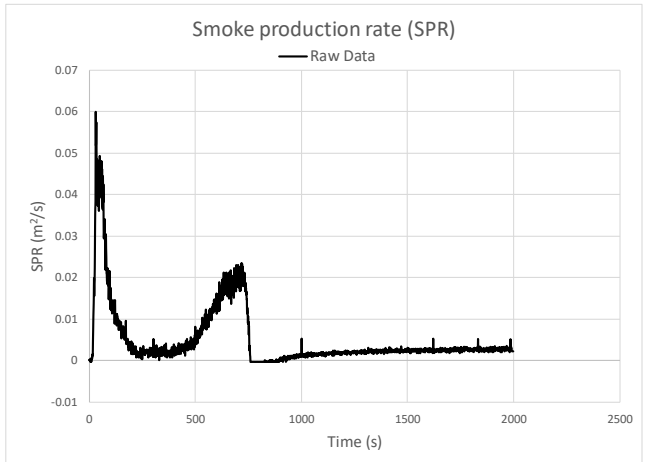
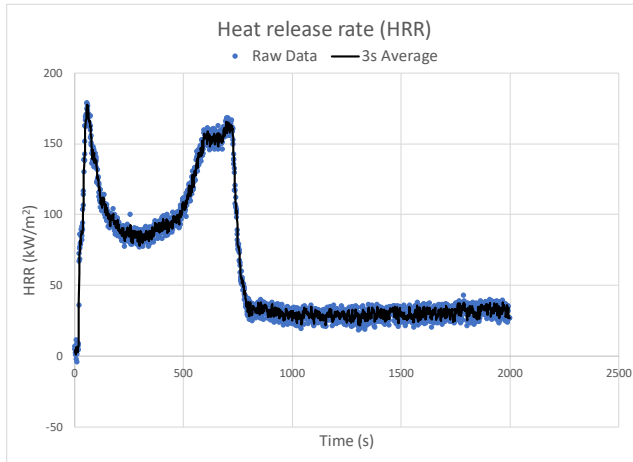
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SPECIMEN 2 GRAPHS



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SPECIMEN 3 GRAPHS



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END OF TEST CERTIFICATE