CERTIFICATE

Material Fire Test Certificate

IGNL-5144-01-01C P3 I01 R00

DATE OF TEST	18.08.2021
ISSUE DATE	24.12.2021
EXPIRY DATE	23.12.2026

AS 1530.1:1994
Combustibility Test for Materials

SPONSOR
Euroset Trading Pty Ltd
31 - 33 Water St,
Strathfield South NSW 2136

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

Euromix FP Render

Specimen Description

The sponsor described the test specimens as single layer cement based render. It is composed of sand, Portland cement, and polymer. It has a measured nominal density of approximately 1.69 grams per cubic centimetre and nominal thickness of 10 millimetres in general application. It is off-white in colour and its end use is as a render.

The specimens received were fabricated by the manufacturer and were a solid cement material. They were off-white in colour. Test sponsor was responsible for the sampling stage. The test results apply to the specimens as received.

The test specimens are cylindrical, and each has:

(a)	Nominal diameter (mm):	43.32
(b)	Nominal height (mm):	51.58
(c)	Nominal volume (cm^3)	75.98
(d)	Nominal Mass (g):	130.49
(e)	Colour:	Off-white

Test Method

Five (5) specimens were tested in accordance with Australian Standard 1530 Methods for fire tests on building materials, components and structures, Part 1 – 1994: Combustible test for Materials. The test apparatus is constructed in accordance with the requirements of ISO 1182:2010 which has been verified to be equivalent to the apparatus requirements of AS 1530.1:1994 with the exception that a suitable alternative insulating material was used to fill the annular space between the furnace tubes, as specified in Clause 4.2 of ISO 1182:2010.

Observations

All specimens exhibited similar behaviour, and none ignited during the test. Specimens were stopped after an hour without reaching equilibrium.

Results

The specimen achieved the following results:

	Symbol	Arithmetic
Mean furnace thermocouple temperature rise:	ΔTf	0.39 °C
Mean specimen centre thermocouple temperature rise:	ΔTc	0.13 °C
Mean specimen surface thermocouple temperature rise:	ΔTs	0.35 °C
Mean duration of sustained flaming:		0 s
Mean mass loss:		6.86 %

Combustibility

The specimens are deemed NOT COMBUSTIBLE according to the test criteria specified in Clause 3.4 of AS 1530.1-1994.

This certificate mirrors the results of Ignis Labs certificate IGNL-5144-01-01C I01R00 dated 01/09/2021.

NATA Accredited Laboratory
Number: 20534 Site number: 24604
Accredited for compliance with
ISO/IEC 17025 - Testing

Test Supervisor
Darren Laker

Technical Lead
Jessica Ying

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 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, 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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SUMMARY OF MEASUREMENTS AND OBSERVATIONS OF SPECIMENS UNDER TEST

Parameter	Symbol or expression	Unit Symbol	Specimen Results				
			1	2	3	4	5
Atmospheric temperature	-	°C	18.78	15.70	14.10	16.40	17.30
Humidity	-	%RH	21.80	35.10	42.10	40.50	40.00
Height	h	mm	50.82	50.99	52.27	51.46	52.35
Diameter	d	mm	43.44	43.66	43.27	43.17	43.07
Initial specimen volume	V	cm^3	75.28	76.30	76.82	75.28	76.23
Initial specimen mass	msi	g	128.70	125.72	136.17	127.17	134.71
Density	r	kg/m^3	1709.61	1647.72	1772.45	1689.26	1767.10
Sample holder weight	w	g	19.83	26.44	26.04	25.04	17.88
Final specimen mass	msf	g	119.66	116.99	126.79	118.28	126.02
Mass loss	Δm=(msi-msf)/msi*100	%	7.03	6.94	6.88	7.00	6.45
Total duration of sustained flaming	Cumulative total of duration of flaming	s	0.00	0.00	0.00	0.00	0.00
Initial furnace thermocouple temperature	Tfi	°C	749.70	749.80	749.80	749.70	750.00
Maximum furnace thermocouple temperature	Tfm	°C	772.90	764.60	761.20	726.20	748.10
Final furnace thermocouple temperature	Tff	°C	772.47	764.24	761.03	725.71	747.61
Furnace thermocouple temperature rise	ΔTf=Tfm-Tff	°C	0.43	0.36	0.17	0.49	0.49
Maximum specimen centre thermocouple temperature	Tcm	°C	755.20	758.40	758.60	750.50	752.80
Final specimen centre thermocouple temperature	Tcf	°C	755.09	758.19	758.55	750.33	752.67
Specimen centre thermocouple temperature rise	ΔTc=Tcm-Tcf	°C	0.11	0.21	0.05	0.17	0.13
Maximum specimen surface thermocouple temperature	Tsm	°C	770.80	777.00	771.90	757.60	767.90
Final specimen surface thermocouple temperature	Tsf	°C	770.37	776.54	771.57	757.38	767.59
Specimen surface thermocouple temperature rise	ΔTs=Tsm-Tsf	°C	0.43	0.46	0.33	0.22	0.31
Test duration	t	min	60.00	60.00	60.00	60.00	60.00

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END OF TEST CERTIFICATE