



CERTIFICATE

Material Fire Test Certificate

IGNL-9440-01-01C I01 R00

DATE OF TEST 06.11.2025
07.11.2025
ISSUE DATE 08.12.2025
EXPIRY DATE 07.12.2030

AS 1530.1:1994
Combustibility test for materials

SPONSOR
Euromix Pty Ltd
31-33 Water Street
Strathfield South, NSW 2136

TEST BODY
Ignis Labs Pty Ltd
ABN 36 620 256 617
3 Cooper Place
Queanbeyan NSW 2620
Australia
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(02) 6111 2909
Test body is the test location



Specimen Identification

Euromix 1 Render

Specimen Description

The sponsor describes the specimens as a multi-purpose render made with a silica free sand. It is grey in colour.

The received specimens were grey cylindrical pieces of render. Each specimen had a semi-smooth, hard and sandy texture. Small holes and irregularities were observed throughout the specimens. The nominal volume of the specimens was slightly below the required volume and the test sponsor agreed to proceed with it. Ignis Labs was not responsible for the sampling stage. All specimens were sampled and fabricated by the test sponsor. The test results apply to the specimens as received.

The test specimens are cylindrical, and each has:

(a) Nominal diameter (mm):	43.14
(b) Nominal height (mm):	50.26
(c) Nominal volume (cm ³):	73.45
(d) Nominal Mass (g):	123.48
(e) Colour:	Grey

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 results, and none ignited during the test. Crackling sounds were observed coming from the specimens at approximately 50 seconds into the test. A strong burning smell was observed at 60 to 70 seconds into the test. After the test, specimens were discoloured to an off-white colour from light grey.

Results

The specimen achieved the following results:

	Symbol	Arithmetic
Mean furnace thermocouple temperature rise:	ΔT_f	1.08 °C
Mean specimen centre thermocouple temperature rise:	ΔT_c	0.06 °C
Mean specimen surface thermocouple temperature rise:	ΔT_s	0.59 °C
Mean duration of sustained flaming:		0 s
Mean mass loss:		9.31 %

Combustibility

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



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

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Version: IGNL-QF-031-Issue 03 Revision 01

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	19.70	20.70	21.90	22.00	23.00
Humidity	-	%RH	39.10	41.70	40.90	38.70	36.80
Height	h	mm	48.80	49.69	51.08	51.46	50.29
Diameter	d	mm	43.03	43.25	43.19	43.03	43.22
Initial specimen volume	V	cm ³	70.93	72.96	74.80	74.80	73.74
Initial specimen mass	msi	g	116.77	125.45	124.21	120.03	120.44
Density	r	kg/m ³	1646.28	1719.37	1660.59	1604.74	1633.32
Sample holder weight	w	g	13.39	13.45	13.39	13.45	13.39
Final specimen mass	msf	g	107.23	115.17	114.32	107.04	106.72
Mass loss	$\Delta m = (msi - msf) / msi * 100$	%	8.17	8.19	7.96	10.83	11.39
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	750.80	749.60	748.50	748.30	748.10
Maximum furnace thermocouple temperature	Tfm	°C	723.80	711.30	714.00	717.90	714.70
Final furnace thermocouple temperature	Tff	°C	723.40	710.60	712.90	716.50	712.90
Furnace thermocouple temperature rise	$\Delta T_f = T_{fm} - T_{ff}$	°C	0.40	0.70	1.10	1.40	1.80
Maximum specimen centre thermocouple temperature	Tcm	°C	738.97	738.47	734.67	735.17	737.67
Final specimen centre thermocouple temperature	Tcf	°C	738.90	738.40	734.60	735.10	737.66
Specimen centre thermocouple temperature rise	$\Delta T_c = T_{cm} - T_{cf}$	°C	0.07	0.07	0.07	0.07	0.01
Maximum specimen surface thermocouple temperature	Tsm	°C	739.87	745.67	737.87	745.67	750.17
Final specimen surface thermocouple temperature	Tsf	°C	739.20	745.40	736.80	745.00	749.90
Specimen surface thermocouple temperature rise	$\Delta T_s = T_{sm} - T_{sf}$	°C	0.67	0.27	1.07	0.67	0.27
Test duration	t	min	50.00	55.00	55.00	55.00	55.00

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END OF TEST CERTIFICATE