

# CERTIFICATE

## Material Fire Test Certificate

**IGNL-5144-01-02C I01 R00**

DATE OF TEST 19.08.2021  
 ISSUE DATE 01.09.2021  
 EXPIRY DATE 30.08.2026

AS 1530.1:1994  
 Combustibility Test for Materials

**SPONSOR**

**Novatex Pty Ltd**  
 118 Hassall Street  
 Wetherill Park, NSW 2164

**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**

Ezytex ER100 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 1.87 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 test specimens are cylindrical, and each has:

- |  |           |
|--|-----------|
| (a) Nominal diameter (mm):             | 43.63     |
| (b) Nominal height (mm):               | 52.16     |
| (c) Nominal volume (cm <sup>3</sup> ): | 77.96     |
| (d) Nominal Mass (g):                  | 145.22    |
| (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:	$\Delta T_f$	0.82 °C
Mean specimen centre thermocouple temperature rise:	$\Delta T_c$	0.09 °C
Mean specimen surface thermocouple temperature rise:	$\Delta T_s$	0.42 °C
Mean duration of sustained flaming:		0 s
Mean mass loss:		5.67 %

**Combustibility**

The specimens are deemed NOT 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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 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	21.30	21.20	19.60	18.30	17.70
Humidity	-	%RH	34.80	37.50	40.10	42.50	41.60
Height	h	mm	52.56	51.52	52.93	52.29	51.51
Diameter	d	mm	43.04	43.63	43.92	43.83	43.74
Initial specimen volume	v	cm <sup>3</sup>	76.43	76.99	80.15	78.86	77.36
Initial specimen mass	msi	g	145.85	143.83	145.68	143.95	146.81
Density	r	kg/m <sup>3</sup>	1908.20	1868.26	1817.56	1825.49	1897.74
Sample holder weight	w	g	15.62	15.93	15.73	15.62	15.93
Final specimen mass	msf	g	137.48	135.42	137.49	135.62	138.98
Mass loss	$\Delta m = (msi - msf) / msi * 100$	%	5.74	5.85	5.62	5.79	5.34
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	749.10	749.40	749.80	747.70	750.50
Maximum furnace thermocouple temperature	Tfm	°C	739.30	754.20	745.10	752.50	730.90
Final furnace thermocouple temperature	Tff	°C	738.55	753.26	744.41	751.67	730.03
Furnace thermocouple temperature rise	$\Delta T_f = T_{fm} - T_{ff}$	°C	0.75	0.94	0.69	0.83	0.87
Maximum specimen centre thermocouple temperature	Tcm	°C	757.50	754.80	749.30	759.50	759.30
Final specimen centre thermocouple temperature	Tcf	°C	757.43	754.65	749.27	759.36	759.23
Specimen centre thermocouple temperature rise	$\Delta T_c = T_{cm} - T_{cf}$	°C	0.07	0.15	0.03	0.14	0.07
Maximum specimen surface thermocouple temperature	Tsm	°C	775.20	776.60	767.80	771.90	774.30
Final specimen surface thermocouple temperature	Tsf	°C	774.77	776.23	767.38	771.48	773.86
Specimen surface thermocouple temperature rise	$\Delta T_s = T_{sm} - T_{sf}$	°C	0.43	0.37	0.42	0.42	0.44
Test duration	t	min	60.00	60.00	60.00	60.00	60.00

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END OF TEST CERTIFICATE