



CERTIFICATE

Material Fire Test Result Summary

IGNL-9207-04C I02 R00

DATE OF TEST 09.07.2025
ISSUE DATE 21.08.2025
EXPIRY DATE 14.08.2030

AS 1530.4:2014
Fire-resistance tests for elements of construction

SPONSOR
Panelok Australia Pty Ltd
13 Thomas Hanlon Court
Yatala, QLD 4207

TEST BODY
Ignis Labs Pty Ltd
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Test body is the test location



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



Specimen Name

Panelok™ Insulated Wall Panel System

Specimen Description

The subject test specimen is Panelok Wall System. The sponsor described the specimen as the Panelok™ insulated wall Panel System. It is composed of a Thermosetting Phenolic Composite (TPC) core, a BlueScope steel perimeter metal channel (PMC) Truecore Steel C-section, Panelok fibre cement cladding, infill channels and standard adapter channel. The wall system is composed of two wall panel segments with a vertical joint. The joint is sealed with fire caulking, fire setting compound and topping compound. The wall system is loadbearing at ambient temperature when installed in accord with the engineer's design drawings for the project and the PWS installation manual.

The specimen received was a wall system with a TPC core, steel framing and fibre cement cladding panels on the exposed and unexposed face. The core was comprised of EPS balls with a fire retardant additive coated bonded with an orange coloured coating. The wall system contained a vertical joint 400 mm from the left edge of the unexposed face. The joint was sealed with grey and white compound. The specimen was sealed into the furnace with HB Fuller Firesound fire rated acoustic sealant.

The wall specimen was provided by the test sponsor. Ignis Labs was not involved in the selection of all material that used to construct the wall system.

The system was installed in the test furnace by Ignis Labs Pty Ltd.

Result

Criteria	Test Result
	Panelok™ Insulated Wall Panel System
Structural adequacy	30 minutes*
Integrity	120 minutes
Insulation	42 minutes

*The structural adequacy component has been assessed by Ignis Labs in Laboratory Assessment IGNE-9207-04-01R.

Fire Resistance Level (FRL)

The Fire Resistance Level (FRL) of the Panelok™ Insulated Wall Panel System is as follows.

30/120/30

Test Method

The test specimen was tested in accordance with Australian Standard 1530, Method for fire tests on building components and structures, Part 4: Fire-resistance tests for elements of construction (AS 1530.4:2014) with the exemption of the measurement of deflection, the measurement of received total heat flux, and without applying a loading system. The furnace had a nominal opening of 1.0 m x 1.0 m for attachment of specimens. The system was tested without an applied load. The Structural Adequacy component of the FRL has been determined through analysis of the temperatures of the structural components, and the performance of the system at ambient temperature.

Reference Documents

This certificate is based on the following documents:

- Ignis Labs Tech Report IGNL-9207-04 I01R00 dated 07 August 2025.
- Ignis Labs Laboratory Assessment IGNE-9207-04-01R dated 21 August 2025

Note

This certificate is provided for general information only and does not comply with the regulatory requirements for evidence of compliance.

Darren Laker
Test Supervisor

Tom Lewis
Technical Lead Engineer

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Version: IGNL-QF-101-Issue 01 Revision 00

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