CERTIFICATE

Material Fire Test Result Summary

IGNL-100215-04-01C I01 R00

DATE OF TEST	07.09.2026
ISSUE DATE	08.10.2026
EXPIRY DATE	07.10.2031

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

SPONSOR
Helix Buildtech Pty Ltd
Western Plant
1 Watts Road
Tonsley SA 5042

TEST BODY
Ignis Labs Pty Ltd
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3 Cooper Place
Queanbeyan NSW 2620
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Test body is the test location

Specimen Name

E-Metrix

Specimen Description

The specimen was received as an E-METRIX non-loadbearing AAC façade wall system, with an overall as-received size of 955 mm high × 993 mm wide × 185 mm thick. The wall system comprised 90 mm × 35 mm MGP10 untreated timber framing, a Class 4 vapour-permeable membrane (Vapourflex VPM), two horizontal 24 mm steel top hats and 75 mm thick aerated autoclave concrete panels forming the exposed face. The timber frame incorporated a central vertical stud and two horizontal noggins located at approximately 480 mm height. A nominal 20 mm cavity was present between the timber framing and the AAC façade.

The exposed face incorporated a 10 mm wide vertical control joint located centrally between the AAC panels. The control joint was fitted with 13 mm × 55 mm Bycell control joint backing foam and sealed with Bostik Fireban® One fire-rated sealant. The AAC panels were fixed to the steel top hats using Type 17 Class 3, 90 mm hex-head screws, with the screw holes on the exposed face patched with Hebel glue.

To accommodate the specimen within the test frame, fibre cement sheeting was installed by Ignis Labs as packing above the specimen. A nominal 995 mm × 995 mm × 10 mm standard plasterboard sheet was installed to the unexposed face using 8G × 40 mm, 19 TPI plasterboard screws. The specimen perimeter was sealed to the test frame on both faces using HB Fuller FR sealant.

Result

Criteria	Result
Structural adequacy	Not applicable - the specimen was non-loadbearing and no load was applied.
Integrity	90 minutes - no integrity failure (no sustained flaming, no cotton-pad ignition and no gap-gauge failure) was observed for the duration of the test.
Insulation	90 minutes - no failure of the insulation criteria (140 K average rise / 180 K single-point rise) occurred on the unexposed face for the duration of the test.

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 infill parts of the furnace included Bostic fire ban one fire grade mastic.

Reference Documents

This certificate is based on the following documents:

- Ignis Labs Test Report IGNL-100215-04-01R I01R00 dated 08 October 2026.

Note

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

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

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