# CERTIFICATE

Material Fire Test Result Summary

**IGNL-9340-04C I01 R00**

| | |
|---|---|
| DATE OF TEST | 24.07.2025 |
| ISSUE DATE | 12.08.2025 |
| EXPIRY DATE | 11.08.2030 |

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

**SPONSOR**
**Australian Render Technologies Pty Ltd**
130 Cochranes Road
Moorabbin VIC 3189

**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 Name

A.R.T Expansion Joint

## Specimen Description

The trade name of the specimen is Expansion joint in Hebel Wall System. The sponsor described the specimen composed of two aluminium profiles which fit into the channel of EPDM grommet and adhered by adhesive. It is stapled into wall façade prior to the render and then base coated to secure it in place. The expansion joint is between the 75 mm CSR Hebel power panel and the pine framing. The wall assembly consisted of, from the exposed face to the unexposed face, CSR Hebel Power Panel, a perforated top hat measuring 35 mm × 4.8 mm × 0.55 mm BMT, 90 mm × 45 mm MGP10 untreated pine framing infilled with Bradford Gold Batts Hi-Performance R2.5 wall insulation, Bradford Enviroseal Thermoseal Reswrap, and 10 mm plasterboard. The Hebel panels and the joint are rendered with Acratex Render Wall Acrabuild, Acratex Coventry Coarse and Acratex Acrashield Matt.

The received specimen measured 995 mm high by 995 mm wide by 220 mm thick and comprised rendered Hebel panels with a vertical joint, horizontal top hat battens, sarking, a timber frame and a plasterboard. It was sealed into the furnace using Gyprock Easy-finish Topping Compound. The Hebel panel was the test exposed face and the plasterboard was the test unexposed face.

The construction of the specimen was undertaken by Australian Render Technologies Pty Ltd. Ignis Labs was not involved in the selection of the materials. Ignis Labs was opted to install the wall specimen to the testing furnace.

## Result

| Criteria | Test Result |
|---|---|
| | A.R.T Expansion Joint |
| Structural adequacy | - |
| Integrity | 120 minutes |
| Insulation | 120 minutes |

## Fire Resistance Level (FRL)

For the purpose of building regulations in Australia, the Fire Resistance Level (FRL) of the test specimen is as follows.

**-/120/120**

## 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 Tech Report IGNL-9340-04-01 I01R00 dated 12 August 2025.

## Note

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

**Darren Laker**
Laboratory Technician

**Jessica Ying**
Technical Lead Enginner

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



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