



# Certificate of Conformity

Certification Body:



SAI Global Certification Services Pty Limited

(ACN 108 716 669) ("Intertek SAI Global")

JAS-ANZ Accreditation No. Z1440295AS

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Network Architectural

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Certificate number: CM20224

THIS TO CERTIFY THAT

## ALPOLIC™ NC/A1 Aluminium Composite Panel (ACP)

**Type and/or use of product:**

ALPOLIC™ NC/A1 is an aluminium composite panel (ACP) for use as external wall cladding in new buildings and retrofit applications wherever a non-combustible material is required.

**Description of product:**

ALPOLIC™ NC/A1 is an aluminium composite panel (ACP) with a 3mm non-combustible mineral core sandwiched between two skins of 0.5mm thick aluminium facings having a total nominal thickness of 4mm.

ALPOLIC™ NC/A1 is available in different finishes with Lumiflon-based fluoropolymer paint applied during manufacturing.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S)

BCA 2022

	Volume One	Volume Two	
<b>Performance Requirement(s)</b>	N/A	N/A	
<b>Deemed-to-Satisfy Provision(s):</b>	<p><b>A5G8</b>      <b>Labelling of aluminium composite panels.</b></p> <p><b>C2D10(6)(g)(i)(ii)(iii)</b>      <b>Fire resistance and stability</b> - Non-combustible building elements.</p> <p><b>G5D3</b>      <b>Construction in bushfire prone areas</b> - Protection - residential buildings (subject to state and territory variations).</p>	<p><b>A5G8</b>      <b>Labelling of aluminium composite panels.</b></p> <p><b>H3D2(1)(g)</b>      <b>Fire safety</b> - Fire hazard properties and non-combustible building elements.</p> <p><b>H7D4(2)(a)</b>      <b>Ancillary provisions and additional construction requirements</b> - Construction in bushfire prone areas.</p>	
<b>State or territory variation(s):</b>	<b>NSW G5D3</b> <b>Construction in bushfire prone areas</b> – Protection (refer to limitations and conditions)	<b>NSW H7D4(2)(a)</b> <b>Construction in bushfire prone areas</b>	

SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B

SAI Global Certification Services

Calin Moldovean  
President, Business Assurance

Martin Ryan – Unrestricted Building Certifier

Date of issue: 08 April 2024

Date of expiry: 07 April 2027



# Certificate of Conformity

1. This certificate covers the assessment of ALPOLIC™ NC/A1 panel product ONLY, excluding the installation and fixing.
2. The structural, fire resistance level (FRL), fire hazard properties, and weatherproofing properties of ALPOLIC™ NC/A1 have not been assessed.
3. The ALPOLIC™ NC/A1 can be used on walls required to have an FRL provided the method of the attachment does not reduce the FRL of the building element to which it is attached below that required by the BCA.
4. The ALPOLIC™ NC/A1 panel is suitable for use in bushfire prone areas up to and including BAL19, when constructed in accordance with the requirements of AS3959:2018 Clause 6.4.1(c).
5. In NSW, ALPOLIC™ NC/A1 is suitable for use on buildings located in a designated bushfire prone area:
  - a. For a Class 1 building, a Class 2 building, a Class 3 building, a Class 4 part of a building, or a Class 10a building when constructed in accordance with AS 3959:2018, up to and including Bushfire Attack Level BAL-19, except as amended by Planning for Bush Fire Protection.
  - b. For a Class 9 building that is a special fire protection purpose located in an area subject to a Bushfire Attack Level (BAL) not exceeding BAL-12.5 determined in accordance with AS 3959:2018.
6. In VIC, ALPOLIC™ NC/A1 is suitable for use on Class 9(a) healthcare buildings, Class 9(b) early childhood or school buildings, Class 9(c) residential care buildings or Class 4 parts of buildings associated with the preceding classifications located in an area subject to a Bushfire Attack Level (BAL) not exceeding BAL-12.5 determined in accordance with AS 3959:2018.
7. In QLD, ALPOLIC™ NC/A1 is suitable for use on Class 1 buildings or associated Class 10a buildings, when constructed in accordance with AS 3959:2018, up to and including BAL-19.
8. In SA, ALPOLIC™ NC/A1 is suitable for use on Class 1 buildings or associated Class 10a buildings, when constructed in accordance with AS 3959:2018, up to and including BAL-19.

**Building classification/s:**

Volume 1 – Class 2 to Class 9 buildings

Volume 2 – Class 1 and Class 10a buildings

**Scope of certification:** The CodeMark Scheme is a building product certification scheme. The rules of the Scheme are available at the ABCB website [www.abcb.gov.au](http://www.abcb.gov.au). This Certificate of Conformity is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed against have been met. The responsibility for the product performance and its fitness for the intended use remain with the certificate holder. The certification is not transferrable to a manufacturer not listed on Appendix A of this certificate.

**Disclaimer:** The Scheme Owner, Scheme Administrator and Scheme Accreditation Body do not make any representations, warranties or guarantees, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; and the Scheme Owner, Scheme Administrator and Scheme Accreditation Body disclaim to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this certificate.

## APPENDIX A – PRODUCT TECHNICAL DATA

### A1 Type and intended use of product

Refer to Page 1 of this certificate.

### A2 Description of product

Refer to Page 1 of this certificate.

### A3 Product specification

- Panel thickness: 4mm ± 0.2mm
- Panel size (width): 1270 and 1575mm
- Panel size (Length): Less than 7200mm
- Tolerance width: +2.0mm
- Tolerance length: +1.0mm/m
- Tolerance bow: Maximum 0.5% of the length or width
- Adhesive layer thickness: 0.035mm

### A4 Manufacturer and manufacturing plant(s)

Mitsubishi Chemical Infratec Co. Ltd, 2471-1, Fujiyama, Ueda, Nagano, 386-1212, Japan

### A5 Installation requirements

Refer to Page 2 of this certificate and the following.

- This certificate covers the assessment of ALPOLIC™ NC/A1 panel product ONLY, excluding the installation of the product and the product's protective film.

### A6 Other relevant technical data

- N/A

## APPENDIX B – EVALUATION STATEMENTS

### B1 Evaluation methods

The system has been assessed as complying with the identified Performance Requirements of the BCA 2022. This involved a review of product specifications, test reports, installation manuals, and associated documentation.

**1. Labelling assessment**

- A2G3(2)(a)/A5G3(1)(f) – Another form of documentary evidence - Mitsubishi Chemical Infratec Co.,Ltd

**2. Non-combustibility assessment:**

- A2G3(2)(a)/A5G3(1)(d) – A report issued by an accredited testing laboratory – Ignis Solutions (NATA accreditation No. 20534), Warringtonfire (NATA accreditation No. 3277), and CSIRO (NATA accreditation No. 165).

**3. Construction in bushfire prone areas assessment:**

- A2G3(2)(a)/A5G3(1)(d) – A report issued by an accredited testing laboratory – Ignis Solutions (NATA accreditation No. 20534), Warringtonfire (NATA accreditation No. 3277), and CSIRO (NATA accreditation No. 165).
- A2G3(2)(a)/A5G3(1)(f) – Another form of documentary evidence – Australian Standard AS 3959:2018 (Construction of buildings in bushfire prone areas).

### B2 Reports

Evaluation methods	Related Supporting Evidence as listed below
Labelling assessment	4
Non-combustibility assessment:	1, 2, 3
Construction in bushfire prone areas assessment:	1, 2, 3

- Ignis Solutions, Material Fire Test Certificate for Aluminium Skin of Mitsubishi Alpolic, IGNS-4157-01C I01 R01 (dated 04 December 2020)** - This certificate provides the results to testing of the Aluminium Skin of Mitsubishi ALPOLIC™ NC to the requirements of AS1530.1-1994 and determines that the material is NOT deemed Combustible.
- Warringtonfire, A reaction-to-fire test in accordance with AS1530.1-1994 (R2016), Job Number RTF190153 R2.0 (dated 11 July 2019)** - This report provides the results to testing of Mitsubishi NC Core material, being Aluminium Tri-Hydroxide, Calcium Carbonate, and a polymer binder, to the requirements of AS1530.1, and determines that the material is NOT deemed combustible.
- CSIRO, Certificate of Test, AS/NZS 1530.3:1999 Simultaneous determination of Ignitability, Flame Propagation, Heat Release and Smoke Release, Report No: FNE12526A (dated 09 January 2020)** - This report provides the results of testing of the Mitsubishi ALPOLIC™ NC assembly to the requirements of AS/NZS1530.3-1999 and determines that the product has a Spread of Flame Index of 0 and a Smoke Development Index of 2.
- Mitsubishi Chemical Infratec Co.,Ltd, Doc No. CCP-01 – section 7 – Rev. No. 10** - This document identifies the controlled marking in accordance with SA TS 5344:2019.