



Certificate of Conformity

Certification Body:



SAI Global Certification Services
Pty Limited
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Global"
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Certificate number: CM20224 Rev 1

THIS TO CERTIFY THAT

ALPOLIC™ NC aluminium composite panel (ACP)

Type and/or use of product:

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

Description of product:

ALPOLIC™ NC 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. For detailed product description, refer to section A3 below.
ALPOLIC™ NC 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 2019

Performance Requirement(s) Deemed-to-Satisfy Provision(s) State or territory variation(s):	Volume One		Volume Two	
	N/A	N/A	N/A	N/A
	C1.9(e)(vii)	Non-combustible building elements	3.7.1.1(g)	General concession - Non-combustible materials
	G5.1 & 5.2	Construction in bushfire prone areas Up to and including BAL 19	3.10.5.0	Construction in bushfire prone areas Up to and including BAL 19
	NSW G5.1 & G5.2	Construction in Bushfire Prone Areas – Protection.	NSW 3.10.5.0	Construction in bushfire prone areas
	QLD G5.1	Construction in Bushfire Prone Areas – Construction Requirements	QLD 3.10.5.0	Construction in bushfire prone areas

SAI Global Certification Services

Frank Camasta
Global Head of Technical Services
SAI Global Assurance

Quintin Kleyn – Unrestricted Building Certifier

Date of issue: 16/04/2021

Date of expiry: 31/03/2024



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

Limitations and conditions:

1. This certificate covers the assessment of ALPOLIC™ NC panel product ONLY, excluding the installation.
2. The structural, fire resistance level (FRL), fire hazard properties, and weatherproofing properties of ALPOLIC™ NC have not been assessed.
3. The ALPOLIC™ NC can be used on walls required to have an FRL provided the method of the attachment does not reduce the fire resistance of the wall.
4. The ALPOLIC™ NC panel is suitable for use in bushfire prone areas up to and including BAL 19, when constructed in accordance with the requirements of AS3959:2018 Clause 6.4.1(c)

Building classification/s:

Volume 1 – Class 2 to Class 9 buildings
Volume 2 – Class 1 and Class 10 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. 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

Product specifications and dimensional tolerances are as per below:

- 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

Some of the above dimensions were provided by the manufacturer.

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 below:

- This certificate covers the assessment of ALPOLIC™ NC 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 2019. This involved a review of product specifications, test reports, and associated documentation.

1. Non-Combustibility

- Volumes 1 & 2 – A2.3(2)(a) / A5.2(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)

2. Resistance to Bushfire Attack assessment:

- Volumes 1 & 2 – A2.3(2)(a) / A5.2(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)
- Volumes 1 & 2 – A2.3(2)(a) / A5.2(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
Non-Combustibility Assessment	Numbers 1 – 3
Resistance to Bushfire Construction Assessment	Numbers 1 – 3

Non-Combustibility & Resistance to Bushfire Attack

1. 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.

2. 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.

3. 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.