



Certificate of Conformity

Certification Body:



SAI Global Certification Services Pty Limited

(ACN 108 716 669) Trading as "SAI Global"

JAS-ANZ Accreditation No. Z1440295AS

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Certificate Holder:



Network Architectural

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Certificate number: CM20223

THIS TO CERTIFY THAT

ALPOLIC™/FR Aluminium Composite Panel (ACP)

Type and/or use of product:

ALPOLIC™/FR is an aluminium composite panel (ACP) for use in external and internal applications where there are no requirements for non-combustible material.

Description of product:

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

ALPOLIC™/FR is available in different finishes with Lumiflon™-based fluoropolymer coating as standard and the back side is a polyester-based wash coating (or a service coating) applied during manufacturing.

For detailed product specification, refer to section A3 below.

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

BCA 2019

	Volume One		Volume Two	
Performance Requirement(s)	N/A	N/A	N/A	N/A
Deemed-to-Satisfy Provision(s):	C1.10(a)(ii) including Spec C1.10 Clause 4	Fire hazard properties	3.10.5.0	Construction in bushfire prone areas (Up to and including BAL 19)
	G5.1 & G5.2	Construction in bushfire prone areas (Up to and including BAL 19)		

SAI Global Certification Services

Frank Camasta
Global Head of Technical Services
SAI Global Assurance

Quintin Kleyn – Unrestricted Building Certifier

Date of issue: 26 October 2021

Date of expiry: 25 October 2024



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State or territory variation(s):	NSW G5.1 & G5.2	Construction in Bushfire Prone Areas – Application of part and 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

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™/FR product only, excluding the installation.
2. The structural, fire resistance and weatherproofing properties of the ALPOLIC™/FR have not been assessed.
3. For Class 2 to 9 Buildings ALPOLIC™/FR is suitable for use only on Type C construction.
4. The ALPOLIC™/FR can be used on walls required to have an FRL provided the method of attachment does not reduce the FRL of the building element to which it is attached below that required by the BCA.
5. The ALPOLIC™/FR panel is suitable for use on an external wall in bushfire prone areas on buildings in areas up to and including BAL 19, provided that the product is not used below 400mm from the ground, or less than 400mm above decks, carport roofs, awnings and similar elements or fittings as described in AS3959-2018 (+A2-2020) Clause 6.4.
6. The ALPOLIC™/FR panel is not suitable for use on roofs in bushfire prone areas.

Building classification/s:

Volume 1 – Class 2 to Class 9 buildings
Volume 2 – Class 1 and Class 10(a) 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.

- Product dimension
 - Panel thickness: 4mm
 - Panel size (width): 1270 and 1575mm
 - Panel size (length): less than 7200mm
- Product tolerance
 - Width: ± 2.0 mm
 - Length: ± 1.0 mm/m
 - Thickness: ± 0.2 mm
 - Bow: Maximum 0.5% (5mm/m) of the length or width.
 - Squareness: Maximum 5.0 mm.

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 following:

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

A6 Other relevant technical data

- None.

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. Fire hazard properties assessment:

- Volumes 1 & 2 – A2.3(2)(a) / A5.2(1)(d) – A report issued by an Accredited Testing Laboratory (Warringtonfire – NATA Accreditation No. 3277).

2. Bushfire assessment:

- Volumes 1 & 2 – A2.3(2)(a) / A5.2(1)(f) – Another form of documentary evidence (Comparison with the requirements in AS 3959-2018 – Construction of buildings in bushfire prone areas).

B2 Reports

Evaluation methods	Related Supporting Evidence as listed below
Fire hazard properties Assessment	Number 1
Bushfire Assessment	No test report – direct comparison with requirements in AS 3959-2018 Section 6.4 for walls in BAL 19 areas

Fire hazard properties

1. Warringtonfire, Reaction to fire test report, Job No. RTF210088 Rev 1.0 (dated 20 May 2021).

This report provides the Group Number assessment of 4.0mm ALPOLIC FR when tested in accordance with AS ISO 9705-2003 (R2016) and AS 5637.1-2015 and confirms that the product achieves a Group 2 rating and a SMOGRA_{RC} of 4.4m²/s² x 1000.

Bushfire

No test report – direct comparison with requirements in AS3959 Section 6.4 for walls in BAL 19 areas.

Refer to the limitations and conditions above.