



Certificate of Conformity

Certification Body:



**BUREAU
VERITAS**

Bureau Veritas Australia Pty Ltd
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Certificate Holder:



Atlas Steels Pty Ltd
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Certificate number: CM70109 Rev3

THIS TO CERTIFY THAT

AlFacade®

Type and/or use of product:

AlFacade® is a non-combustible, external wall panel that can be used as cladding.

Description of product:

AlFacade® is a pre-finished solid aluminium panel with a 3mm or 4mm nominal thickness, and a Polyvinylidene fluoride (PVDF) coating.

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

BCA 2022

	Volume One		Volume Two	
Performance Requirement(s)	B1P1 limited to (2)(b) F3P1	Structural reliability Weatherproofing	H1P1 limited to (2)(b) H2P2	Structural reliability and resistance Weatherproofing
Deemed-to-Satisfy Provision(s):	C2D10 (6)(e) G5D2 G5D3	Non-combustible building elements Construction in bushfire prone areas - Application of Part Protection – Residential buildings	H3D2 (1)(e) * H7D4	Fire hazard properties and non-combustible building elements (*limited to non-combustible building elements) Construction in bushfire prone areas
State or territory variation(s):	NSW G5D2 NSW G5D3 QLD G5D2	Construction in bushfire prone areas - Application of Part Protection Construction in bushfire prone areas - Application of Part	NSW H7D4 QLD H7D4	Construction in bushfire prone areas Construction in bushfire prone areas

Sam Guindi – Product Certification Manager
Bureau Veritas Australia Pty Ltd

Harley Parkes - Unrestricted Building Certifier
Jensen Hughes Pty Ltd

Date of original issue: 22 December 2021

Date of Revalidation: 21 March 2025

Date of expiry: 22 December 2028



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. The AlFacade® panel shall be installed in accordance with the AlFacade® – Installation & Technical Manual V2.1, 31 October 2024.
2. The fire hazard properties of AlFacade® have not been assessed.
3. The AlFacade® panel may be used on walls required to have an FRL provided the method of attachment does not reduce the fire resistance of the wall below that required. In such cases the install method shall be approved by a registered Fire Engineer
4. The AlFacade® panel shall be installed with an AS 4200.1 -2017 compliant vapour permeable membrane by an appropriately qualified installer approved by Atlas Steels (for a list of approved installers please contact the certificate holder),
5. Panel length and fixings shall be selected with respect to the wind pressure tables for wind design loads nominated in AS 1170.2 - 2021 appropriate to the building location.
6. The AlFacade® 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 9 Buildings
Volume 2 – Class 1 and 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. 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

As above.

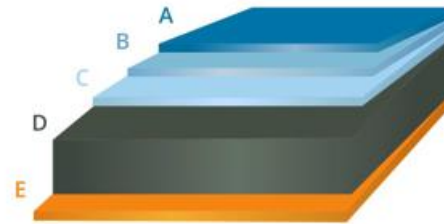
A2 Description of product

As above.

A3 Product specification

The product dimension and tolerances are as follows:

- Panel thickness: 3mm and 4mm +0.18mm
- Panel size:
 - Width = 1250mm and 1575mm
 - Length = 2500mm, 3200mm and 4000mm
- Tolerance width: +5.0mm
- Tolerance length: Up to 3.0m +3.0mm/m, up to 4.5m +4.0mm/m
- Tolerance bow: Up to 3.0m length Maximum 3.0mm over the length or width
- Tolerance bow: 3.0 to 3.9 Maximum 5.0mm over the length
- Tolerance bow: 3.9 to 4.5m Maximum 8.0mm over the length



- A. Protective film
- B. PVDF coating
- C. Pre-Treatment Layer
- D. 3mm or 4mm aluminium
- E. Protective wash coat to back of panel

A4 Manufacturer and manufacturing plant(s)

Henan Jinyu Aluminium Co. Ltd - Industrial Parks of Huiguo Town, Gongyi City, Henan Province, China

A5 Installation requirements

The AlFacade® panel shall be installed in accordance with the AlFacade® – Installation & Technical Manual V2.1, 31 October 2024.

A6 Other relevant technical data

N/A

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

BCA 2022

Structural Assessment

A2G2(2)(a)/A5G3(1)(e) – A report issued by a professional engineer or other appropriately qualified person. (WA Moore & Associates)

Combustibility Assessment

A2G3(2)(a)/A5G3(1)(d) – A report issued by an Accredited Testing Laboratory (CSIRO, Report No. FNC 12489,)

Weatherproofing Assessment

A2G2(2)(a)/A5G3(1)(d) – A report issued by an Accredited Testing Laboratory (Vipac Engineers & Scientists, Test Report 30B-20-0056-TRP-6783375-2)

Bushfire Construction Assessment

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

Structure

1. **WA Moore & Associates, Certification of AlFacade cladding to NCC, dated 25th October 2024**

This Certification letter provides the determination and set of calculations from a registered structural engineer confirming that AlFacade meets the NCC performance requirements B1P1 and B1P2 for ultimate limit state and serviceability pressures as determined by AS/NZS 1664.1:1997 for Aluminium Structures.

Weatherproofing

2. **Vipac Engineers & Scientists, ALFACADE® – FP1.4 Test Report, Test Report 30B-20-0056-TRP-6783375-2, 9 February 2021**

This report provides the testing of AlFacade® panel to the requirements of AS/NZS 4284:2008 and NCC 2019 FV1.1 and V2.2.1 and determined that the panel can withstand static water pressure of +489Pa and complied with cyclic water pressure test requirements.

Non-combustibility

3. **CSIRO, Certificate of Test, Combustibility Test for Materials in accordance with AS1530.1-1994, Report No. FNC 12489, 25 November 2019**

This certificate provides the results for the 3mm AlFacade® panel when tested to the requirements of AS1530.1-1994 and determines that the product is NOT deemed combustible under the parameters of that standard.

4. **AWTA Product Testing, Test Report, Test No. 20-001427, 02 May 2024**

This report provides the test results for 3mm AlFacade® with PVDF coated surface to the requirements of AS/NZS 1530.3 and determines that the product has a Spread of Flame index of 0.

Bushfire

5. **Bushfire Comparison with the requirements in AS 3959-2018 - Construction of buildings in bushfire prone areas.**

This provides the requirements for the design and construction of buildings and structures in a bushfire prone area.