



# Certificate of Conformity

Certification Body:



**BUREAU  
VERITAS**

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Certificate Holder:



Atlas Steels Pty Ltd  
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Certificate number: CM70109

THIS TO CERTIFY THAT

## Atlas Steels AlFacade®

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

A prefinished aluminium panel for use in external wall cladding wherever a non-combustible material is required.

**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 2019

	Volume One		Volume Two	
<b>Performance Requirement(s)</b>	<b>BP1.1(a), limited to (b)(iii)</b> <b>FP1.4</b>	Structural reliability Weatherproofing	<b>P2.1.1(a), limited to (b)(iii)</b> <b>P2.2.2</b>	Structural stability and resistance Weatherproofing
<b>Deemed-to-Satisfy Provision(s)</b>	<b>C1.9(e)(v)</b> <b>G5.1</b> <b>G5.2</b>	Non-combustible building elements Bushfire resistance Protection	<b>3.7.1.1(e)</b> <b>3.10.5.0</b>	Fire properties for materials and construction Construction in bushfire prone areas
<b>State or territory variation(s)</b>	<b>NSW G5.1</b> <b>NSW G5.2</b> <b>QLD G5.1</b>	Bushfire resistance Protection Bushfire resistance	<b>NSW 3.10.5.0</b> <b>QLD 3.10.5.0</b>	Construction in bushfire prone areas Construction in bushfire prone areas

Sam Guindi – Product Certification Manager  
Bureau Veritas Australia Pty Ltd

Quintin Kleyn - Unrestricted Building Certifier  
Hendry Group Pty Ltd

Date of issue: 22 December 2021

Date of expiry: 22 December 2024



**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<sup>®</sup> panel must be installed in accordance with the AlFacade<sup>®</sup> – Installation & Technical Manual V2.0, December 2021.
2. The fire hazard properties of AlFacade<sup>®</sup> have not been assessed.
3. The AlFacade<sup>®</sup> panel can 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.
4. The AlFacade<sup>®</sup> panel must be installed with a compliant vapour permeable membrane but an appropriately qualified installer.
5. Panel length and fixings must be selected with respect to the wind pressure tables for wind design loads appropriate to the building location.
6. The AlFacade<sup>®</sup> 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](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

As above.

### A2 Description of product

As above.

### A3 Product specification

Product dimension and tolerances

Panel thickness: 3mm and 4mm +0.18mm

Panel size: Width = 1250mm and 1575mm

Length = 2500mm, 3200mm and 400mm

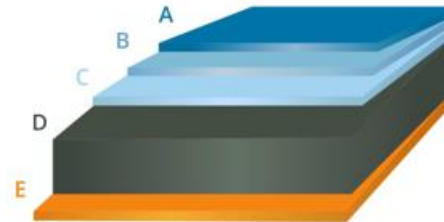
Tolerance width: +5.0mm

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 must be installed in accordance with the AlFacade® – Installation & Technical Manual V2.0, December 2021.

### A6 Other relevant technical data

N/A

## APPENDIX B – EVALUATION STATEMENTS

### B1 Evaluation methods

1. Structural: A2.2(2)(a)/A5.2(1)(e) – A report issued by a professional engineer or other appropriately qualified person (WA Moore and Associates).
2. Weatherproofing: A2.3(2)(a) / A5.2(1)(d) - A report issued by an Accredited Testing Laboratory (Vipac – NATA Accreditation 676)
3. Combustibility assessment: A2.3(2)(a) / A5.2(1)(d) - A report issued by an Accredited Testing Laboratory (CSIRO – NATA Accreditation 165, and AWTA Product Testing – NATA Accreditation No. 1356)
4. Bushfire Assessment: 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

1. **WA Moore & Associates, Certification of AlFacade cladding to NCC, dated 22 December 2021**  
This Certification letter provides the determination and set of calculations from a registered structural engineer confirming that AlFacade meets the NCC performance requirements BP1.1 and BP1.2 for ultimate limit state and serviceability pressures as determined by AS/NZS 1664.1:1997 for Aluminium Structures.
2. **Vipac Engineers & Scientists, ALFACADE<sup>®</sup> – FP1.4 Test Report, Test Report 30B-20-0056-TRP-6783375-2, 9 February 2021**  
This report provides the testing of AlFacade<sup>®</sup> Xmm 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.
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<sup>®</sup> 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. 20-002305, 11 May 2020**  
This report provides the test results for 3mm AlFacade<sup>®</sup> with 25 micron painted surface to the requirements of AS/NZS 1530.3 and determines that the product has a Spread of Flame index of 0.