Certificate of Conformity

Certification Body:

CMI CERTIFICATION
ABN: 81 663 250 815
JAS-ANZ Accreditation No. Z4450210AK
PO Box 273,
Palmwoods Qld 4555
Australia
P: +61 7 5445 2199
www.cmicert.com.au
office@cmicert.com.au

Certificate Holder:

Alucoil
Grupo Alibérico
ALUCOIL, S.A.
V.A.T: A81468993
Pol. Ind. Bayas,
C/ Ircio R72-R77
Miranda de Ebro,
09200, Spain
T: +34 947 333 320
www.alucoil.com

Certificate number: CM40198 Rev1

THIS IS TO CERTIFY THAT

Larcore A2

Type and/or use of product:

Decorative façade panel.

Description of product:

Larcore A2 honeycomb panel is a 6mm non-combustible aluminium honeycomb-cored sandwich panel. Refer A2.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) **BCA 2022**

	Volume One		Volume Two	
Performance Requirement(s):	F3P1	Weatherproofing – Subject to *Limitation and Condition 4*.	H2P2	Weatherproofing – Subject to *Limitation and Condition 4*.
Deemed-to-Satisfy Provision(s):	C2D10(6)(g)	Non-combustible building elements – Bonded laminate materials. *Refer Limitations and condition 2*	H3D2(1)(g)	Non-combustible building elements – Bonded laminate materials. *Refer Limitations and condition 2*
State or territory variation(s):	Not Applicable		Not Applicable	

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 sub-structure that the panel is attached to, must meet any requirements applicable to the building type in relation to structure, weatherproofing, insulation, acoustic, Fire Resistance Levels or non-combustibility as appropriate.
2. The weatherproofing system, inclusive of backing rods is not considered non-combustible for the purpose of C2D10 of Volume 1 and H3D2 of Volume 2 of the BCA 2022.
3. Assessment of Structural Adequacy, including fixing details and wind load capacities, is outside the scope of this Certificate of Conformity. Project specific engineering advice is required.
4. To satisfy F3P1 & H2P2 via verification, the relevant design is required to meet the criteria of F3V1 and/or H2V1 to the satisfaction of the Appropriate Authority as defined by the NCC. The site specific building must;
   (a)(i) has a risk score of 20 or less, when the sum of all risk factor scores are determined in accordance with Table F3V1a/H2V1a; and
   (a)(ii) is not subjected to an ultimate limit state wind pressure of more than 2.5kPa; and
   (a)(iii) includes only windows that comply with AS 2047
   Compliance with Weatherproofing is limited to the tested specimen detailed in A3, deviations from this specimen, is subject to site specific design and approval by the regulatory authority.
5. The use of the certified product/system is subject to these Limitations and Conditions and must be read in conjunction with the Scope of Certification below.

Building classification/s:

Class 1,2,3,4,5,6,7,8,9 & 10

Richard Donarski – CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 24/06/2024

Date of expiry: 30/03/2026

Certificate of Conformity

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.

Only criteria as identified within this Certificate of Conformity can be used for CodeMark certification claims. Where other claims are made in a client's Installation Manual, Website or other documents that are outside the criteria on this Certificate of Conformity, such criteria cannot be used or claimed to meet the requirements of this CodeMark certification.

The NCC defines a Performance Solution as one that complies with the Performance Requirements by means other than a Deemed-to-Satisfy Solution. A Building Solution that relies on a CodeMark Certificate of Conformity that certifies a product against the Performance Requirements cannot be considered as Deemed-to-Satisfy Solution.

This Certificate of Conformity may only relate to a part of a Performance Solution. In these circumstances other evidence of suitability is needed to demonstrate that the relevant Performance Requirements have been met. The relevant provisions of the Governing Requirements in Part A of the NCC will also need to be satisfied.

This Certificate of Conformity is issued based on the evidence of compliance as detailed herein. Any deviation from the specifications contained in this Certificate of Conformity is outside of this document's scope and the installation of the certified product will not be covered by this Certificate of Conformity.

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.

When using the CodeMark logo in relation to or on the product/system, the Certificate Holder makes a declaration of compliance with the Scope of Certification and confirms that the product is identical to the product certified herein. In issuing this Certificate of Conformity, CMI Certification Pty Ltd (CMI) has relied on the experience and expertise of external bodies (laboratories and technical experts).

Nothing in this document should be construed as a warranty or guarantee by CMI, and the only applicable warranties will be those provided by the Certificate Holder.

Certificate of Conformity

APPENDIX A – PRODUCT TECHNICAL DATA

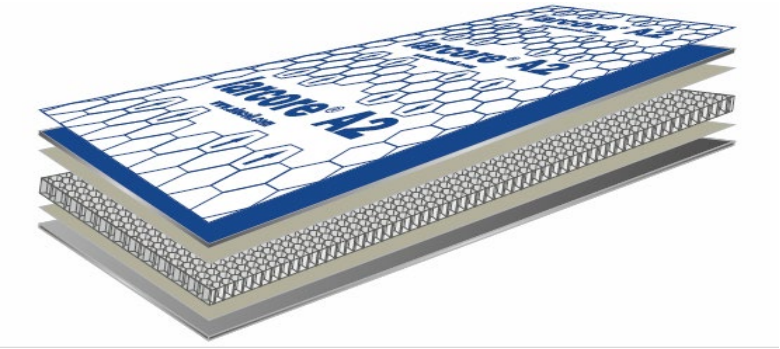
A1 Type and intended use of product

As per page one.

A2 Description of product

Larcore A2 panel is formed using the following components:

- Aluminium sheeting bonded to both sides of the core, pre-treated, coated and available in a range of colours.
- An aluminium honeycomb core, with anti-corrosion pre-treatment.
- 100 microns PVC protective film.



Product Technical Data

Total Thickness	6mm
External skin thickness	0.7mm
Internal skin thickness	0.5mm
Core thickness	4.8mm
Standard widths	1000mm, 1250mm, 1500mm, 2000mm
Minimum / Maximum length	2000mm / 14000mm

A3 Product specification

Non-Combustibility Testing conducted by the CSIRO concludes that the panel is NOT deemed COMBUSTIBLE according to the test criteria specified in Clause 3.4 of AS 1530.1-1994.

Source: *CSIRO Test Report No. FNC11734 dated 23/06/2016.*

Fire Indices AS/NZS 1530.3:1999

Ignitability Index	0	Range	0-20
Spread of Flame Index	0	Range	0-10
Heat Evolved Index	0	Range	0-10
Smoke Developed Index	1	Range	0-10

Source: *CSIRO Test Report No. FNE12589 dated 29/06/2020.*

Weatherproofing Tested System Components as per LARCORE 6mm SEALED CASSETTE SYSTEM

- Larcore® A2 Panel
- Sika® Back rod Ø15mm
- Self tapping Screw DIN 7504-N Ø5.5x19mm A2/50
- Blind standard rivet Ø4.8x12mm dk=9.5mm
- SikaSeal® 300 Glass & Weather Seal
- 4411N Extreme Sealing 3M Tape
- Tophat (Non Alucoil)
- Z Profile (Non Alucoil)

Results

Test Type	Criteria	Result
Structural Test	Applied Load: Nominated Serviceability Pressure: +2.25 kPa, -2.25 kPa (Static Pressure) Duration: 10 seconds	Pass
Static Water Test	Applied Load: Nominated pressure: +0.675 kPa Duration: water spray operated for 5 minutes at 0 kPa chamber pressure, followed by water spray and pressure at the test pressure for 15 minutes. Observe for 5 minutes after removal of both water and air pressure.	Pass
Cyclic Water Test	Nominated Pressures:	Pass

Stage	Lower pressure	Upper Pressure	Cycle Duration
Stage 1	0.338 kPa	0.675 kPa	5 Minutes
	0 kPa		2 Minutes
Stage 2	0.450 kPa	0.900 kPa	5 Minutes
	0 kPa		2 Minutes
Stage 3	0.675 kPa	0.135 kPa	5 Minutes
Observation	0 kPa		5 Minutes

Cyclic pressure lower and upper limits, cycle time of 3 seconds to 5 seconds

AS 4055-2012 wind class ratings

Pressure Zone	G, SC (Any Position)	G (Away from corners)	SC (Within 1200mm of corners)
SLS Rating	N6	N6	N5
ULS Rating	N5	N5	N4

Notes:

- Wind class ratings are subject to limitations as detailed in Section 1.2 of AS 4055-2012.
- Pressure Zones are defined in Section 3 of AS 4055-2012.

Source: *Vipac Engineers & Scientists Limited Test Report No. 30B-19-0019-TRP-6769968-2 dated 26/03/2021.*

A4 Manufacturer and manufacturing plant(s)

This field is optional. Contact the Certificate Holder for information.

A5 Installation requirements

Installation must be in accordance with 2021 LARCORE 6mm SEALED CASSETTE SYSTEM where Larcore A2 incorporates fixing to tophat.

A6 Other relevant technical data

No other relevant technical data.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Fire Safety Provisions A5G3(1)(d). A report issued by an Accredited Testing Laboratory.
2. Weatherproofing Provisions A5G3(1)(d)&(e). A report issued by an Accredited Testing Laboratory.

B2 Reports

1. CSIRO; NATA Accreditation No. 165; Report FNC11734; Testing in accordance with AS 1530.1-1994 combustibility test of materials; Dated 23/06/2016. Report provides evidence of compliance with C2D10(6)(g) and H3D2(1)(g).
2. CSIRO; NATA Accreditation No. 165; Report FNE12589; Testing in accordance with AS/NZS 1530.3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release; Dated 29/06/2020. Report provides evidence of compliance with C2D10(6)(g) and H3D2(1)(g).
3. Vipac Engineers & Scientists Limited; Nata Accreditation No. 676; Test Report No. 30B-19-0019-TRP-6769968-2; Alucoil – AS/NZS 4284 ACP; Dated 26/03/2021. Report provide compliance with F3P1 and H2P2 via the Weatherproofing Verification Methods of the BCA.

The Certificate Holder has chosen not to make the above evidence of compliance publicly available, due to the documents being considered commercial in confidence.