



Certificate of Conformity

Certificate number: CM40093 Rev 1

Certification Body:



ABN: 80 111 217 568

JAS-ANZ Accreditation No.
Z4450210AK

PO Box 7144, Sippy Downs Qld
4556

+61 (07) 5445 2199

www.CertMark.org

Certificate Holder:

Alucoil Composites Pty Ltd

ABN: 59 169 838 055

43 Jessica Road

Campbellfield VIC 3061

Ph: +61 (03) 9357 7047

W: info@alucoilaustralia.com

THIS TO CERTIFY THAT

Larson® FR Cladding System

Type and/or use of product:

The Larson® FR Cladding System is certified for use as part of a walling system or as an attachment, veneer, cladding, lining or other term for the final internal or external part of a wall system.

Description of product:

Larson® FR is an Aluminium Composite Panel comprising two metal skins of Aluminium alloy sandwiching a light grey core mineral containing no more than 27±1.2% combustible fibres. The sandwich is bonded together by a polymer resin.

Panel sizes: width from 900mm to 1620mm. Any length up to 8m long. Total thickness of 4mm.

Trade name: Larson® FR

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

BCA 2016

	Volume One (Amdt. 1)	Volume Two
Performance Requirement(s)	CP2 Fire Resistance - Contributes to limiting the spread of fire – Refer to A3	Not Applicable
Deemed-to-Satisfy Provision(s):	C1.10(a)(ix) Fire Hazard Properties - Refer to A3	Not Applicable
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:

- The Larson® FR Cladding System is approved to be installed in accordance with [Alucoil® Larson® Technical notebook V 2018 Australia](#).
- Tape fixing as described in the [Alucoil® Larson® Technical notebook](#) is not covered by this certificate of conformity.
- In the absence of a site-specific performance solution, this system is not suitable:
 - for use in or on Class 2 to 9 buildings where NCC clauses C1.9 and C1.14 requires building and/or ancillary elements to be non-combustible; and
 - for use in or on class 2 to 9 where internal walls are required to achieve an FRL regardless of the type of construction.
- 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.
- This Certificate is issued based on the evidence of compliance as detailed herein. Any deviation from the specifications contained in this Certificate is outside of this document's scope and the installation of the certified product/system will not be covered by this CodeMark certification. This may result in the product being classified as a non-conforming building product/system.

Building classification/s:

2,3,4,5,6,7,8 & 9
(as applicable)


John Thorpe - CMI


Don Grehan – Unrestricted Building Certifier

Date of issue: 21/11/2018

Date of expiry: 19/10/2021





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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.



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APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

As per page one.

A2 Description of product

As per page one.

A3 Product specification

Larson FR Wall Cladding Panels comprise two 0.5mm thick sheets of Aluminium alloy, bonded to each side of a 3mm thick core material. A PVDF coating protects and imparts colour to the exposed face while a primer coat protects the internal face.

The panels are flanged to the required depth, governed by design, to form a tray. The vertical flanges incorporate a series of reinforced slots to fit onto support brackets on the sub-frame (not covered by this Certificate).

Fire Hazard Properties

Reaction to fire: when tested to AS ISO 9705:2003 (R2016) and AS 5637.1:2015, the panel as described here-in has achieved the results as described below:

Group Number	1
SMOGR _{RC} (m ² s ⁻² x 1000)	1.4

When tested by AWTA to AS/NZS 1530.3:1999 the Larson FR Wall Cladding Panels achieved the following Indices:

Ignitability index	8
Spread of flame index	0
Heat evolved index	1
Smoke development index	2

A4 Manufacturer and manufacturing plant(s)

Alucoil Composites Pty Ltd
43 Jessica Road,
Campbellfield Victoria 3061.

A5 Installation requirements

To be installed in accordance with [Alucoil® Larson® Technical notebook V 2018 Australia](#).

A6 Other relevant technical data

No other relevant technical data.



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APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

CMI has followed the following procedures for certifying the Larson® FR Cladding System:

- Testing and assessment of the Larson® FR Cladding System;
- Assessing a quality plan for the Larson® FR Cladding System that conforms to ISO 10005:2018 and the CodeMark Australia Scheme Rules version 2016.1;
- By reviewing testing of samples supplied to ascertain whether or not the product meets the performance requirements specified on this certificate; and
- Conducting site audits of the factory to verify compliance of the Larson® FR Cladding System.

B2 Reports

- a. Exova Warringtonfire; NATA 3277; EWFA Report No. RTF180226.1; Testing in accordance with AS ISO 9705:2003 (R2016) and AS 5637.1:2015; Dated 18/09/2018.
- b. Exova Warringtonfire; NATA 327; EWFA Report No. 46015300.1AS; testing in accordance with AS 5113:2016; Dated 14/07/2017.
- c. AWTA; NATA Accreditation no. 983; Test report 16-001181 - testing to AS/NZS 1530.3:1999; Dated March 2016.
- d. CSIRO; NATA Accreditation no. 165; Test report No EP182395 - Test report for Ash content and XRD, with reference to the mineral content to ASTM D5630-13 "Ash Content in Plastics"; Dated 29 March 2018.

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