



CERTIFICATE OF CONFORMITY

This is to certify that

Alucobond PLUS Lap Joint System



Product Description

Alucobond Plus Lap Joint System is a 4mm thick aluminum composite material (ACM) comprising two skins of aluminium, sandwiching a proprietary core used for cladding of buildings.

Refer A1 below.

Certificate Holder

Alucobond (Far East) Pte Ltd
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Certification Body

CertMark International Pty Ltd
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JAS-ANZ Accreditation No. Z4450210AK
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Complies with the New Zealand Building Code:

1. B1.3.1, B1.3.2 - Structure
2. B2.3.1(b) - Durability
3. C3.4(a) - Fire
4. E2.3.2, E2.3.3, E2.3.5 – External Moisture
5. F2.3.1 – Hazardous Building Materials

Product Purpose or Use

The Alucobond PLUS Lap Joint System is used as a cladding system on exteriors of buildings and may also be used as an interior lining.

Subject to the following Conditions & Limitations:

- a. This system must only be installed in accordance with the [Alucobond Lap Joint System Manual Version 1 2018](#).
- b. The framing details referenced in the Alucobond Lap Joint System Manual Version 1 are only suitable for timber-framed/strapped buildings. Other framing materials are outside the scope of this Certificate. All framing must comply with the requirements of NZS 3604:2011.
- c. 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.
- d. The Certificate Holder must maintain compliance with the conditions set out in Section 15 of the Building (Product Certification) Regulations 2008.

John Thorpe
CertMark International Pty Ltd

01/02/2019
Date of Issue

CM40259-I01-R00
Certificate Number

- This certificate is issued by an independent certification body accredited by the product certification accreditation body appointed by the Chief Executive of the Ministry of Business, Innovation & Employment (MBIE) under the Building Act 2004. MBIE does not in any way warrant, guarantee, or represent that the building method or product the subject of this certificate conforms to the New Zealand Building Code, nor accept any liability arising out of the use of the building method or product. MBIE disclaims, 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 building method(s) or product(s) referred to in this certificate
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MINISTRY OF BUSINESS,
INNOVATION & EMPLOYMENT
HIKINA WHAKATUTUKI

A1 Product or System Specification

Technical properties Alucobond PLUS panel

Thickness of Aluminium Layers	0.5mm
Alucobond Plus panel thickness	4mm
Weight	7.6kg/m ²
Width	1250mm or 1575mm
Section modulus	1.75mm
Rigidity	[kNcm ² /m] 2400
Alloy / Temper of Aluminium Layers	EN AW 5005A (AlMg1) H22 / H42
Modulus of Elasticity	[N/mm ²] 70.000
Tensile Strength of Aluminium	[N/mm ²] Rm ≥ 130
0.2 % Proof Stress	[N/mm ²] Rp0,2 ≥ 90
Elongation	[%] A50 ≥ 5
Linear Thermal Expansion	2.4 mm/m at 100°C temperature difference
Temperature Resistance	-50 to +80 °C

Reaction to Fire

Core flammability content	30%
EN 13501.1:2007	B-s1,d0
ISO 9705:2016	Group 1 material (Applicable to interior use of the Alucobond PLUS Lap Joint System)

A2 Other Relevant Technical Data

Clause	Reference
B1.3.1, B1.3.2	The Alucobond PLUS Lap Joint System has been evaluated for use as a non-load bearing drained and ventilated cladding system. The Alucobond PLUS Lap Joint System, if designed, fabricated, installed, used and maintained in accordance with the statements and conditions of this Certificate of Conformity, will meet the following provisions of the New Zealand Building Code (NZBC): Clause B1 – Structure: Performance B1.3.1, B1.3.2.
B2.3.1(b)	The Alucobond PLUS Lap Joint System, if designed, fabricated, installed, used and maintained in accordance with the statements and conditions in this Certificate of Conformity, will meet the following provisions of the New Zealand Building Code (NZBC): Clause B2 – Durability: Performance B2.3.1(b) 15 years.
C3.4(a)	The fire test procedure for establishing the Group Number is ISO 9705:2016 and has been followed and may be used where ever a Group 1-S material or less stringent group rating is required. When tested to EN 13501-1:2007+A1:2009 Group classification B-s1,d0.
C3.5	This certificate of conformity does not address the requirements of NZBC clause C3.5.
E2.3.2, E2.3.3, E2.3.5	The Alucobond PLUS Lap Joint System has been evaluated for use as a non-load bearing drained and ventilated cladding system. The Alucobond PLUS Lap Joint System, if designed, used, installed and maintained in accordance with the statements and conditions of this Certificate of Conformity will meet the following provisions of the New Zealand Building Code (NZBC): Clause E2 – External Moisture: Performance E2.3.2, E2.3.3, E2.3.5.

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F2.3.1

The Alucobond PLUS Lap Joint System has been evaluated based on the safety data sheets as well as its history in service.

The Alucobond PLUS Lap Joint System, if designed, used, installed and maintained in accordance with the statements and conditions of this Certificate of Conformity will meet the following provisions of the New Zealand Building Code (NZBC):

Clause F2 Hazardous Building Materials - Performance F2.3.1.

The Alucobond PLUS Lap Joint System meets this requirement and will not present a health hazard to people.

B1 Basis of CodeMark Certification

The Alucobond PLUS Lap Joint System has been evaluated in accordance with the requirements of the Building (Product Certification) Regulations 2008 Clause 8. CMI has followed procedures for certifying the Alucobond PLUS Lap Joint System that are based on evidence established by:

- Testing and assessment of the Alucobond PLUS Lap Joint System;
- Assessing a quality plan for the Alucobond PLUS Lap Joint System that conforms to ISO 10005 and the CodeMark scheme rules;
- 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 Alucobond PLUS Lap Joint System.

B2 Sources of Information

1. Fire Testing in accordance with EN 13501.1:2007+A1:2009.
2. Fire Testing in accordance with ISO 9705:2016.
3. Fire Testing in accordance with AS/NZS 1530.3:1999.
4. CMI Evaluation report CMA-ER30206.
5. Acceptable solutions and verifications methods for New Zealand Building Code – External Moisture Clause E.2.
6. AS/NZS 1170:2011 Structural design Action.
7. AS/NZS 4284:2008 Testing of building facades.

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