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:

SAS Signage Accessories Supplier Pty Ltd
ABN: 33 111 587 501
39-41 Overseas Drive
Noble Park, Victoria 3174
Australia
Ph: 1300727118
www.aipanel.com.au

BCA 2022 – Refer to page 5 onwards

Certificate number: CM40364

THIS IS TO CERTIFY THAT

Ai Panel™

Type and/or use of product:

A non-combustible pre-finished solid aluminium panel used for internal linings, external building elements/linings, and ancillary signage elements.

Description of product:

Ai Panel™ is a non-combustible product suitable for linings for both external and internal walls common walls, non-loadbearing internal walls, attachments to internal and common walls, and ancillary elements fixed, installed or attached to external face of an external wall.
Ai Panel™ consists of 5052-marine grade solid aluminium alloy dosed with approx. 2.5% magnesium and 0.25% chromium. Available in 2mm and 3mm thick panels.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) **BCA 2025**

	Volume One		Volume Two	
Performance Requirement(s):	Not Applicable		Not Applicable	
Deemed-to-Satisfy Provision(s):	C2D10(6)(e)	Non-Combustible building elements	H3D2(1)(e)	Non-Combustible building elements
	C2D11 (1)(b) & (h)	Fire hazard properties		
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 Ai Panel™ is not deemed combustible as determined by AS 1530.1-1994.
2. The claim for Non-Combustibility stated in this Certificate of Conformity, is limited to the 2mm and 3mm Ai Panel™ only and excludes any associated fixings, products and materials.
3. The sub-structure that the panel is attached to is outside of the scope of certification and must be designed and engineered separately as per project requirements by building designers and engineers.
4. The 2mm and 3mm Ai Panel™ has not been tested and certified for impact loading from windborne debris in Region C and D as denoted in AS 1170.2:2011. The building designer should take into consideration internal pressure resulting from dominant openings.
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

Glen Guliotti – CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 18/08/2026

Date of expiry: 18/08/2029

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.

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

As per page 1.

A2 Description of product

Ai Panel Compositions

Layer	Thickness (mm)	Layer Detail
1	≥ 0.025	Polyvinylidene fluoride (PVDF) matte coating
2	≥ 0.025	Polyester paint finish
3	≥ 0.005	Polyurethane resin undercoat
4	2 or 3	5052-grade H32-tempered aluminium alloy panel
5	≥ 0.005	Polyurethane resin undercoat

Physical Properties

Property		Value
Density @ 20°C		2,680 kg/m³
Modulus of Elasticity @ 20°C	- Tension	69.3 GPa
	- Torsion	25.9 GPa
	- Compression	70.7 GPa

Property	Value
Melting Range	607-650°C
Thermal Conductivity @ 25°C	138 W / m°C
Coefficient of Linear Expansion @ 20°C	23.75 x 10^{-6} / °C
Electrical Resistivity @ 20°C	0.05 micro-ohm.m

Panel Weight 2mm thick	**Panel Size**	2400 x 1200 x 2mm	3600 x 1200 x 2mm	3000 x 1500 x 2mm	4000 x 1500 x 2mm	
	Weight	15.61 kg	23.41 kg	24.39 kg	32.16 kg	
Panel Weight 3mm thick	**Panel Size**	2500 x 1250 x 3mm	3200 x 1250 x 3mm	4000 x 1250 x 3mm	3200 x 1500 x 3mm	4000 x 1500 x 3mm
	Weight	25.61 kg	32.41 kg	40.51 kg	39.39 kg	48.27 kg

A3 Product specification

Fire hazard properties and non-combustible building elements C2D10(6)(e) & H2D3(1)(e)

The Ai Panel™ meets the classification of a prefinished metal sheet as testing has confirmed the requirements of C2D10(6)(e) & H2D3(1)(e) for pre-finished metal sheeting having a combustible surface finish not exceeding 1 mm thick (outlined in A2 if this *Certificate of Conformity*) and where the *Spread-of-Flame Index* of the product is not more than 0 (results shown below).

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

Source: *CSIRO, Report No. FNE12839A; (2mm Ai Panel); Dated 13/12/2021 & CSIRO, Report No. FNE12840A; (3mm Ai Panel); Dated 13/12/2021*

Testing of the Ai Panel™ in accordance with the combustibility test for materials in accordance with AS/NZS 1530.1:1994 (R2016). The material is **NOT DEEMED COMBUSTIBLE** according to the test criteria for non-combustibility specified in Clause 3.4 of AS 1530.1:1994.

Source: *CSIRO, Report No. FNC12855; (2mm Ai Panel); Dated 24/01/2022 & CSIRO; Report No. FNC12856; (3mm Ai Panel); Dated 24/01/2022.*

Fire hazard properties (C2D11(1)(b) & (h)	The Ai Panel™ has been tested in accordance with AS/NZS 3837-1998 and the Group Number Assessment in accordance with AS 5637.1-2015. Product Group Number Classification: 1 Average Specific Extinction Area: 28.6 m²/kg **Source:** AWTA Product Testing; NATA Accreditation No. 1356; Test No. 21-002065; Dated 11/05/2021.

A4 Manufacturer and manufacturing plant(s)

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

A5 Installation requirements

Installation requirements are outside the scope of this certification. Architects, builders, installers, shopfitters and signage providers are requested to use the following information and independently ascertain material suitability for their requirement.

A6 Other relevant technical data

The Ai Panel™ is NOT DEEMED COMBUSTIBLE according to the test criteria for non-combustibility specified in Clause 3.4 of AS 1530.1:1994 as such is applicable to be used in accordance with C2D14(a) "An ancillary element that is non-combustible"

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

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

B2 Reports

1. Compliance with C2D10(6)(e) & H3D2(1)(e) has been confirmed by the following reports:
   a. CSIRO, NATA Accreditation No. 165; Report No. FNE12839A; Testing in accordance with AS 1530.3-1999 of the 2mm Ai Panel; Dated 13/12/2021.
   b. CSIRO, NATA Accreditation No. 165; Report No. FNE12840A; Testing in accordance with AS 1530.3-1999 of the 3mm Ai Panel; Dated 13/12/2021.
   c. CSIRO, NATA Accreditation No. 165; Report No. FNC12855; Testing in accordance with AS 1530.1-1994 of the 2mm Ai Panel; Dated 24/01/2022.
   d. CSIRO, NATA Accreditation No. 165; Report No. FNC12856; Testing in accordance with AS 1530.1-1994 of the 3mm Ai Panel; Dated 24/01/2022.

2. Compliance with C2D11 (1)(b) & (h) has been confirmed by the following reports:
   a. AWTA Product Testing; NATA Accreditation No. 1356; Test No. 21-002065, Testing in accordance with AS/NZS 3837-1998; Dated 11/05/2021.
   b. AWTA Product Testing; NATA Accreditation No. 1356; Test No. 21-002065, Group Number Assessment in accordance with AS 5637.1-2015; Dated 11/05/2021.

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

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Certificate Holder:

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Noble Park, Victoria 3174
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Ph: 1300727118
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COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) **BCA 2022 (Amdt. 2)**

	Volume One		Volume Two	
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Deemed-to-Satisfy Provision(s):	C2D10(6)(e)	Non-Combustible building elements	H3D2(1)(e)	Non-Combustible building elements
	C2D11 (1)(b) & (h)	Fire hazard properties		
State or territory variation(s):	Not Applicable		Not Applicable	

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Source: *CSIRO, Report No. FNE12839A; (2mm Ai Panel); Dated 13/12/2021 & CSIRO, Report No. FNE12840A; (3mm Ai Panel); Dated 13/12/2021*

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Source: *CSIRO, Report No. FNC12855; (2mm Ai Panel); Dated 24/01/2022 & CSIRO; Report No. FNC12856; (3mm Ai Panel); Dated 24/01/2022.*

Fire hazard properties (C2D11(1)(b) & (h)	The Ai Panel™ has been tested in accordance with AS/NZS 3837-1998 and the Group Number Assessment in accordance with AS 5637.1-2015. Product Group Number Classification: 1 Average Specific Extinction Area: 28.6 m²/kg **Source:** AWTA Product Testing; NATA Accreditation No. 1356; Test No. 21-002065; Dated 11/05/2021.

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   b. CSIRO, NATA Accreditation No. 165; Report No. FNE12840A; Testing in accordance with AS 1530.3-1999 of the 3mm Ai Panel; Dated 13/12/2021.
   c. CSIRO, NATA Accreditation No. 165; Report No. FNC12855; Testing in accordance with AS 1530.1-1994 of the 2mm Ai Panel; Dated 24/01/2022.
   d. CSIRO, NATA Accreditation No. 165; Report No. FNC12856; Testing in accordance with AS 1530.1-1994 of the 3mm Ai Panel; Dated 24/01/2022.

2. Compliance with C2D11 (1)(b) & (h) has been confirmed by the following reports:
   a. AWTA Product Testing; NATA Accreditation No. 1356; Test No. 21-002065, Testing in accordance with AS/NZS 3837-1998; Dated 11/05/2021.
   b. AWTA Product Testing; NATA Accreditation No. 1356; Test No. 21-002065, Group Number Assessment in accordance with AS 5637.1-2015; Dated 11/05/2021.

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