Certificate of Conformity

Certification Body:

CMI CERTIFICATION
ABN: 81 663 250 815
JASANZ 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:

ARCTIC INSULATED PANELS
Manufacturer & Installer of Insulated Panel Systems
Arctic Installations Pty Ltd t/a
Arctic Insulated Panels
ABN: 34 606 914 747
66 Export Drive, East Arm,
Northern Territory, 0822
Australia
Ph: (08) 8900 8533
https://arcticinsulatedpanels.au/

Certificate number: CM40427

THIS IS TO CERTIFY THAT

Arctic Solace External Wall Panel

Type and/or use of product:

Insulated wall panel.

Description of product:

Arctic Solace External Wall Panel is an insulated panel consisting of a self-extinguishing (FR) expanded polystyrene (EPS) foam core (SL Grade FR-EPS) and two pre-painted, roll-formed steel as external and internal skins. Refer A2 for further information.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) **BCA 2022 (Amdt. 2)**

	Volume One		Volume Two	
Performance Requirement(s):	B1P1(1),(2)(c)	Structural Reliability – Contributes to compliance subject to *limitations and conditions 2, 3, 4 & 5.*	H1P1(1),(2)(c)	Structural stability and resistance to actions – Contributes to compliance subject to *limitations and conditions 2, 3, 4 & 5*
Deemed-to-Satisfy Provision(s):	C2D11(1)(b)	Fire Hazard Properties – Ceiling linings - Refer A3.	H2D6(4)	Weatherproofing – Wall cladding
	F3D5(1)(c)	Weatherproofing – Wall cladding	H6D2(1)(b)(i)	Energy Efficiency – Contributes to the overall energy efficiency of the building. Must be used in conjunction with other building elements to achieve the required Total R-Value – Refer A3 for Thermal Performance.
	J4D6	Energy Efficiency – Contributes to the overall energy efficiency of the building. Must be used in conjunction with other building elements to achieve the required Total R-Value – Refer A3 for Thermal Performance.		
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. This product has not been tested to AS 1530.1-1994 (R2016) and cannot be considered a non-combustible product.
2. The wall panels will be limited by wind load shown in the manufacturer's specifications on the span certified for the product type, thickness, core density and fixing configuration as per the product's certified span tables referenced in A3 of this Certificate of Conformity.
3. The size and location of any penetration through the wall panels are outside the scope of this certification and require site-specific solutions.

Building classification/s:

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

Glen Gugliotti- CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 16/02/2026

Date of expiry: 16/02/2029

ABCB JAS-ANZ

4. Installation requirements are outside the scope of this certificate and subject to project specific engineering advice. The minimum fixing requirements are outlined in the Span Tables referenced in A3 of this Certificate of Conformity.
5. The structural support members are designed and engineered separately as per project requirements by building designers and engineers.
6. The Group numbers have been determined in accordance with testing conducted to AS ISO 9705 and assessment against AS5637.1: 2015 as either Group 2 or Group 1 depending on the thickness and construction detail, refer A3.
7. When used as internal wall and ceiling linings, this product as a Group 1 or Group 2 fire rated product, must comply with the group number specified in in Table S7C4 of Specification 7 of the BCA 2022, Volume 1. Refer A3.
8. Other than the items and information listed, the remainder of the information contained in the product's literature is outside the scope of this certification.
9. 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.

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.

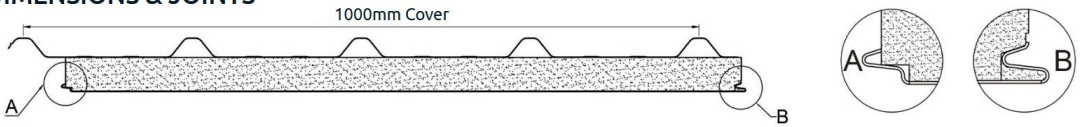
A2 Description of product

Arctic Solace Wall Panel is a 3-in-1 insulated panel consisting of a self-extinguishing (FR) expanded polystyrene (EPS) foam and two pre-painted, roll-formed steel as external and internal bottom skins.

Arctic Solace Wall Panels offers a trapezoidal profiled external skin and a smooth internal skin with interlocking roll-formed tongue and groove edge, providing a significate advantage for fast installation, less maintenance, and effective thermal performance. The structural support members are designed and engineered separately to the metal roof panels.

Core	FR-EPS SL Grade (Fire Retardant)
Sheet Coverage (mm)	1000
Thickness (mm)	50, 75, 100, 125, 150, 175, 200, 225, 250
Length	17000
Top Skin	0.42mm G550 Seel Skin
Bottom Skin	0.6mm G300 Steel Skin

DIMENSIONS & JOINTS



Source: *Certificate Holder*

A3 Product specification

Structure & Weatherproofing (B1P1, H1P1, F3D5 & H2D6)

Arctic Solace Insulated Panel complies with the requirements outlined in AS1562.1: 2018. In order to maintain compliance with structure and weatherproofing for wall cladding, the following Span Tables must be referred to which have been certified by a licensed Professional Engineer in accordance with AS 1562.1, AS/NZS 1170.0, AS/NZS 1170.1, AS/NZS 1170.2, AS 4055 & AS 4040.1.

ARCTIC SOLACE & FLUSHLINE INSULATED PANEL SPAN TABLES FOR WIND REGION C - CYCLONIC (ROOF & WALL APPLICATIONS) Rev D Dated 09/12/2025

Penetrations: The size and location of any penetration through the roof panels are outside the scope of this certification and require site-specific solutions.

Source: *Rapid Engineering NT; Compliance of Arctic Solace Insulated Panels dated 09/12/2025*

Wind Driven Debris Impact Testing

A programme of simulated wind driven debris impact testing was performed on Arctic Solace cladding where the methods of testing, using the debris impact test loads specified Clause 2.5.8 of AS/NZS 1170.2:2021 where the panels achieved results of PASS.

Source: *James Cook University; Report No. TS1294 dated 20/06/2023.*

Certificate of Conformity

Material Group Numbers (C2D11)

Group Numbers have been determined in accordance with testing conducted to ISO 9705 and assessment against AS 5637.1:2015. Construction requirements for Group 1 and Group 2 are shown below, please refer Certificate Holder for more information.

Nominal Panel thickness 250 mm or less: Group 1 Smoke Growth Rate Index $SMOGRA_{RC}$ <100

Requirements: Panel to panel junctions require **steel** angles fixed to the steel skins at not more than 300 mm centres, with **steel** rivets. Ceiling panel to panels joins require a **steel** (stitch) rivet connecting the metal skins at not more than 1200 mm centres

***Source**: BRANZ Certificate Number: 374 Issue 2 dated 23/02/2021*

Nominal Panel thickness 250 mm or less: Group 2 Smoke Growth Rate Index $SMOGRA_{RC}$ <100

Requirements: Panel to panel junctions require **steel** angles fixed to the steel skins at not more than 300 mm centres, with **steel** rivets.

***Source:** BRANZ Certificate Number: 372 Issue 2 dated 23/02/2021*

Nominal Panel thickness 150 mm or less: Group 2 Smoke Growth Rate Index $SMOGRA_{RC}$ <100

Requirements: Panel to panel corner junctions require **aluminium** angles fixed to the steel skins at not more than 300mm centres, with **aluminium** rivets.

***Source:** BRANZ Certificate Number: 373 Issue 2 dated 23/02/2021*

Thermal & Energy Efficiency (J4D6 & H6D2)

Arctic SOLACE FR-EPS panel Declared Total R & U Values (m².K/W)

Thickness (mm)	$R_{T15°C}$	$R_{T23°C}$	$R_{T30°C}$	$U_{T15°C}$	$U_{T23°C}$	$U_{T30°C}$
50	1.40	1.40	1.35	0.69	0.71	0.73
75	2.05	2.00	1.95	0.48	0.49	0.51
100	2.70	2.60	2.55	0.37	0.38	0.39
125	3.30	3.20	3.15	0.30	0.31	0.32
150	3.90	3.80	3.70	0.26	0.26	0.27
175	4.50	4.40	4.30	0.22	0.23	0.23
200	5.10	4.95	4.85	0.20	0.20	0.21
225	5.65	5.50	5.40	0.18	0.18	0.19
250	6.25	6.05	5.95	0.16	0.17	0.17

Notes:

- Overall resulting Total R per AS/NZS 4859.2:2018 Clause 4.3. Total Conductance (U) calculated by U=1/R. Total R & U values include indoor and outdoor air films.
- Panel Total R & U values calculated at 15°C, 23°C and 30°C mean insulation temperature corresponding to wall and roof applications
- with 18°C indoors and 12°C outdoors winter, or 24°C indoors and 36°C outdoors summer, Australia.
- Above indoor & outdoor air temperatures per AS/NZS 4859.2:2018, Clause 5.1
- "Declared R" values determined per AS/NZS 4859.1:2018 Clause 2.3.3.5**.**

***Source:** James Fricker Report No. i569a dated 10/12/2025.*

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 certificate and subject to project specific engineering advice. The minimum fixing requirements and span are outlined in the Span Tables in A3 of this Certificate of Conformity.

A6 Other relevant technical data

No other relevant technical data.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Fire Safety Provisions A5G3(1)(d). Reports from Accredited Testing Laboratories.
2. Structural Provisions A5G3(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.
3. Thermal Provisions A5G3(1)(e). Reports from a professional engineer.
4. Weatherproofing Provision A5G3(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.

B2 Reports

1. BRANZ; IANZ Accreditation No. 38; Fire Assessment Report FAR 2489 Issue 3; Assessment of the performance of metal clad expanded polystyrene sandwich panels in the AS ISO 9705:2003 (R2016) Room Fire Test; Dated 23/02/2021. Report provides compliance with C2D11 (1)(b). BRANZ has issued the following Fire Test Certificates that reference BRANZ FAR 2489 Issue 3.
   a. BRANZ; IANZ Accreditation No. 38; Fire Test Certificate Number: 372 Issue 2; Dated 23/02/2021
   b. BRANZ; IANZ Accreditation No. 38; Fire Test Certificate Number: 373 Issue 2; Dated 23/02/2021
   c. BRANZ; IANZ Accreditation No. 38; Fire Test Certificate Number: 374 Issue 2; Dated 23/02/2021
2. James M Fricker Pty Ltd; Report No. i569a; JMF Calc 569d01; Summary of Total R calculations for Arctic FR-EPS panels; Dated 10/12/2025. Report provides thermal performance of the Solace wall panels which must be used in conjunction with other building elements for compliance with J4D6 and H6D2(1)(b).
3. James Cook University; NATA Accreditation No. 14937; Report No. TS1294; Simulated Windborne Debris Impact Testing of Arctic Solace Insulated Panels; Dated 20/06/2023.
4. Rapid Engineering NT; Revision B; Engineering Certification of Arctic Flushline & Solace Insulated Panels; Dated 09/12/2025. Report confirms that the Arctic Solace Insulated Panels comply with AS 1562.1:2018 and certifies the SPAN TABLES FOR WIND REGION C - CYCLONIC (ROOF & WALL APPLICATIONS) Rev D Dated 09/12/2025 which contributes to compliance with B1P1(1),(2)(c), H1P1(1),(2)(c) and compliance with F3D5(1)(c) & H2D6(4).

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