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:

DELTA PANELS
Delta Panels Pty Ltd
ABN: 11 147 861 292
731 Boundary Road,
Richlands, QLD, 4077
Australia
Ph: 07 3271 2170
www.deltapanels.com.au

Certificate number: CM40309

THIS IS TO CERTIFY THAT

Delta Panels

Type and/or use of product:

Insulated roof panel.

Description of product:

Two pre-painted, roll-formed steel skins bonded to either a retardant grade Expanded Polystyrene core (EPS) or a Thermosetting Phenolic Composite (TPC). Refer A2 for more information.

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

	Volume One		Volume Two	
Performance Requirement(s):	Not Applicable		Not Applicable	
Deemed-to-Satisfy Provision(s):	B1D4(j)(iv)	Determination of structural resistance of materials and forms of construction - Refer Limitation and Condition 7 & 8	H1D7(2)(a)(i)	Roof and wall cladding - Refer Limitation and Condition 7 & 8
	C2D11(1)(i)	Fire resistance - Fire hazard properties - Other materials – Limited to the 100mm EPS core panels – Refer Limitation and Condition 4 and A3 for details.	H2D6(4)	Roof and wall cladding - Refer Limitation and Condition 8
	F3D2(b)	Roof coverings - Refer Limitation and Condition 8	H7D4	Construction in bushfire prone zone - Refer Limitation and Condition 6
	G5D3	Construction in bushfire prone zone – TPC Core panel only - Refer Limitation and Condition 6	H6D2	Energy Efficiency – Roofs - Restricted to core – Refer Limitation and Condition 9
	J4D4	Energy efficiency – Roofs - Restricted to core - Refer Limitation and Condition 9		
State or territory variation(s):	C2D11 NSW, Vic. G5D3 (NSW), Part J (NT)		H6D2 Vic, H7D4 (NSW, QLD & SA)	

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 in accordance with AS 1530.1-1994 for non-combustibility.

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: 16/12/2025

Date of expiry: 16/12/2028

2. 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 BCA requires roof coverings to be non-combustible.
3. In the absence of a site-specific performance solution, this product or system must not be used to facilitate the exemptions for a carport specified in Part 9.2.8 Open Carports of the ABCB Housing Provisions.
4. Any penetrations made into the certified products will void all nominated structural performance and Fire Hazard Properties. The adequacy of the size, location and spacing of any penetrations through the roof panel must be confirmed by a structural and fire engineer.
5. It is the responsibility of the building designer to ensure fitness for purpose including, but not limited to, consideration for the corrosion resistance level of the product and the proximity to breaking surf.
6. When being used for BAL applications the allowed maximum panel span between supports is limited to 1500mm as per the tested specimen, see A3 for details.
7. The structural support members are designed and engineered separately as per project requirements by building designers and engineers.
8. Installation must be in accordance with the following documentation:
   - Handling & Installation Manual Delta Panels Roofing Systems V2025.12.01.
   - Module A - Awnings, Patios & Carports Engineering & Construction Manual Non Cyclonic & Cyclonic Regions Doc 180509 V2025-11-25.
   - Flashings - Recommended Installation Doc 180520 V.23-10-27.
9. Thermal Values listed in A3 have been verified as compliant on a contributes to basis, excluding the 100mm, which is deemed compliant.
10. The building designer and installer must provide allowances for thermal expansion according to AS1562.1:2018 and other relevant design codes.
11. Other than the items and information listed, the remainder of the information contained in the product's literature is outside the Scope of Certification.
12. 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

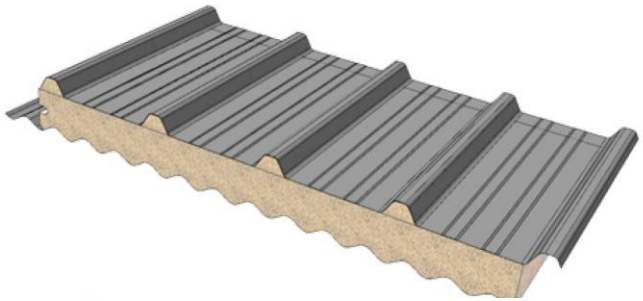
Delta Panels family of products are as follows.

DeltaTrim™

	EPS		TPC	
Steel Skin Details	**Top Skin**	0.42mm / G550 AZ150	**Top Skin**	0.42mm / G550 AZ150
	Bottom Skin	0.6mm / G300 Z275	**Bottom Skin**	0.60mm / G300 Z275
Core Material	SL Grade Polystyrene – Fire Retardant Grade		Thermosetting Phenolic Composite - TPC	
Sheet Coverage	1000mm		1000mm	
Length	Cut to length. Min. of 1800mm		Cut to length. Min. of 1800mm	
Thickness(mm)	50, 75, 100, 125, 150, 175, 200		50, 75, 100, 125, 150, 175, 200	
Minimum Roof Pitch	2°		2°	

DeltaTrimCorro™

	EPS		TPC	
Steel Skin Details	**Top Skin**	0.42mm / G550 AZ150	**Top Skin**	0.42mm / G550 AZ150
	Bottom Skin	0.42mm / G550 AZ150	**Bottom Skin**	0.42mm / G550 AZ150
Core Material	SL Grade Polystyrene – Fire Retardant Grade		Thermosetting Phenolic Composite - TPC	
Sheet Coverage	1000mm		1000mm	
Length	Cut to length. Min. of 1800mm		Cut to length. Min. of 1800mm	
Thickness(mm)	75, 100, 125, 150, 175, 200, 250		75, 100, 125, 150, 175, 200, 250	
Minimum Roof Pitch	3°		2° - Trim/Corro 3° - Corro/Trim	



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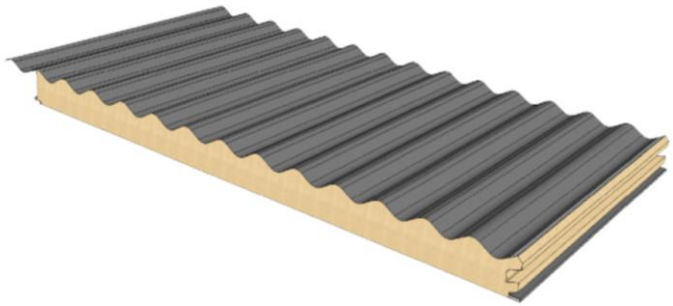
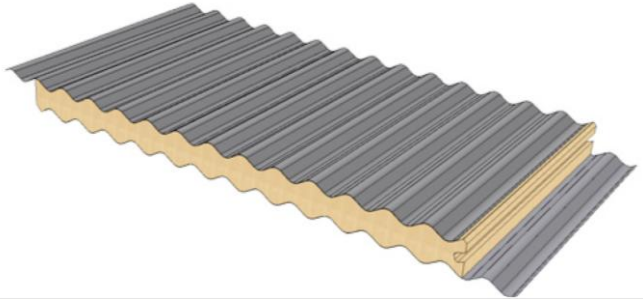
DeltaOrb™

		EPS		TPC
Steel Skin Details	**Top Skin**	0.42mm / G550 AZ150	**Top Skin**	0.42mm / G550 AZ150
	Bottom Skin	0.6mm / G300 Z275	**Bottom Skin**	0.6mm / G300 Z275
Core Material	SL Grade Polystyrene – Fire Retardant Grade		Thermosetting Phenolic Composite - TPC	
Sheet Coverage	1000mm		1000mm	
Length	Cut to length. Min. of 1800mm		Cut to length. Min. of 1800mm	
Thickness(mm)	50, 75, 100, 125, 150		50, 75, 100, 125, 150	
Minimum Roof Pitch	3°		Building Classes 1-9 - 5° Building Class 10 - 3°	



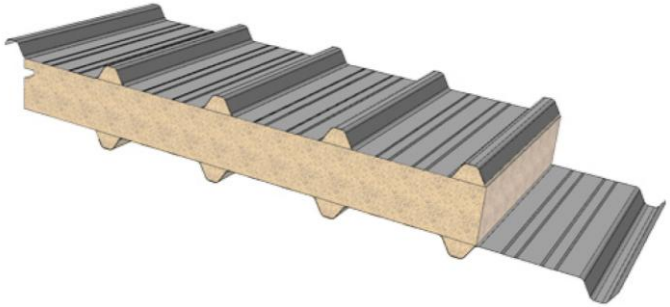
DeltaCorroCorro™

		EPS		TPC
Steel Skin Details	**Top Skin**	0.42mm / G550 AZ150	**Top Skin**	0.42mm / G550 AZ150
	Bottom Skin	0.42mm / G550 AZ150	**Bottom Skin**	0.42mm / G550 AZ150
Core Material	SL Grade Polystyrene – Fire Retardant Grade		Thermosetting Phenolic Composite - TPC	
Sheet Coverage	1000mm		1000mm	
Length	Cut to length. Min. of 1800mm		Cut to length. Min. of 1800mm	
Thickness(mm)	75, 100, 125, 150, 175, 200. 250		75, 100, 125, 150, 175, 200, 250	
Minimum Roof Pitch	3°		Building Classes 1-9 - 5° Building Class 10 - 3°	



DeltaTrimTrim™

		EPS		TPC
Steel Skin Details	**Top Skin**	0.42mm / G550 AZ150	**Top Skin**	0.42mm / G550 AZ150
	Bottom Skin	0.42mm / G550 AZ150	**Bottom Skin**	0.42mm / G550 AZ150
Core Material	SL Grade Polystyrene – Fire Retardant Grade		Thermosetting Phenolic Composite - TPC	
Sheet Coverage	1000mm		1000mm	
Length	Cut to length. Min. of 1800mm		Cut to length. Min. of 1800mm	
Thickness(mm)	75, 100, 125, 150, 175		75, 100, 125, 150, 175	
Minimum Roof Pitch	2°		2°	



A3 Product specification

Fire Hazard Properties C2D11(1)(i)

		Ignitability Index	Spread of Flame Index	Heat Evolved Index	Smoke Developed Index	Group Number Classification
Delta CorroCorro	EPS-FR, pre-painted steel skins bonded to an EPS core with fire retardant. | Core Density 13.5kgm^3	0	0	0	0-1	Group 1
	TPC, pre-painted steel skins bonded to a Thermosetting Phenolic Composite core. | Core Density 36kgs/m^3	0	0	0	3	Group 1
Delta Trim	EPS-FR, pre-painted steel skins bonded to an EPS core with fire retardant. | Core Density 13.5kgm^3	0	0	0	2	Group 1
	TPC, pre-painted steel skins bonded to a Thermosetting Phenolic Composite core. | Core Density 36kgs/m^3	0	0	0	1	Group 1
Delta TrimTrim	EPS-FR, pre-painted steel skins bonded to an EPS core with fire retardant. | Core Density 13.5kgm^3	0	0	0	3	Group 1
	TPC, pre-painted steel skins bonded to a Thermosetting Phenolic Composite core. | Core Density 36kgs/m^3	0	0	0	1	Group 1
Delta TrimCorro-	EPS-FR, pre-painted steel skins bonded to an EPS core with fire retardant. | Core Density 13.5kgm^3	0	0	0	0-1	-
	TPC, pre-painted steel skins bonded to a Thermosetting Phenolic Composite core. | Core Density 36kgs/m^3	0	0	0	3	-
Delta Orb	EPS-FR, pre-painted steel skins bonded to an EPS core with fire retardant. | Core Density 13.5kgm^3	0	0	0	2	Group 1
	TPC, pre-painted steel skins bonded to a Thermosetting Phenolic Composite core. | Core Density 36kgs/m^3	0	0	0	0-1	Group 1

The specimens were tested in accordance with Specification 3 & 7 – Fire Hazard Properties, however no perforations, recesses or the likes were tested and sit outside of the scope of certification.

Bushfire Attack Level (BAL)

For the purpose of building regulations in Australia, the test specimen achieved a Bushfire Attack Level **(BAL) of AA29**.

This report details the methods of construction, the test conditions and the results obtained when the specific element of construction described herein was tested in accordance with the test method of AS 1530.8.1.

NOTE: Bushfire Attack Level (BAL) results are limited to the TPC core panel only.

Source: *CSIRO (Infrastructure Technologies); Report titled Bushfire test on a roof system, dated 21/12/2023*

Roof Covering / Cladding

The products described as **DeltaOrb** & **DeltaTrim** when installed at a roof pitch of five degrees or more, complies with the requirements of AS1562.1:2018- Design and Installation of Metal Roof and Wall Cladding Metal.

It follows that the compliance with AS1562.1:2018 then satisfies the requirements of the Building Code of Australia 2022 Volume One deemed to satisfy provision F3D2(b) – Roof Covering and Volume Two deemed to satisfy provision H2D6(4) – Roof Cladding & H1D7 – Sheet Roofing.

Source: *Summermore Pty Ltd; Report titled WEATHER TIGHTNESS CERTIFICATION, dated 30/4/2024.*

Thermal Properties

EPS Core

Australia		Total R-value [(m².K)/W] (Summer/Winter) & System U0value [W/(m².K)] (Summer/Winter)							
EPS(SL)	**Thickness (mm)**	**50**	**75**	**100**	**125**	**150**	**175**	**200**	**250**
External Roof	$R_{(Sum.)}$	1.36	1.85	2.43	3.02	3.56	4.15	4.68	5.27
	$U_{(Sum.)}$	0.74	0.54	0.41	0.33	0.28	0.24	0.21	0.19
	$R_{(Wint.)}$	1.38	1.90	2.52	3.13	3.69	4.31	4.88	5.49
	$U_{(Wint.)}$	0.72	0.53	0.40	0.32	0.27	0.29	0.20	0.18

***Source**: Acronem Consulting Australia Pty Ltd, DELTA PANELS Thermal Performance Letter EPS, dated 22/02/2024*

TPC Core

Australia		Total R-value [(m².K)/W] (Summer/Winter) & System U0value [W/(m².K)] (Summer/Winter)											
TPC	**Thickness (mm)**	**50**	**60**	**70**	**75**	**80**	**90**	**100**	**110**	**125**	**150**	**175**	**200**
External Roof	$R_{(Sum.)}$	1.45	1.70	1.95	2.05	2.20	2.40	2.65	2.95	3.30	3.90	4.60	5.20
	$U_{(Sum.)}$	0.69	0.59	0.51	0.45	0.45	0.42	0.38	0.34	0.30	0.26	0.22	0.19
	$R_{(Wint.)}$	1.45	1.70	2.00	2.25	2.25	2.50	2.75	3.05	3.40	4.05	4.75	5.40
	$U_{(Wint.)}$	0.69	0.59	0.50	0.44	0.44	0.40	0.36	0.33	0.29	0.25	0.21	0.19

***Source**: Acronem Consulting Australia Pty Ltd, DELTA PANELS Thermal Performance Letter TPC, dated 08/10/2024.*

A4 Manufacturer and manufacturing plant(s)

Delta Panels Pty Ltd
2828 Ipswich Road,
Darra QLD 4076.

A5 Installation requirements

Installation must be in accordance with the following documentation:

- Handling & Installation Manual Delta Panels Roofing Systems V2025.12.01
- Module A - Awnings, Patios & Carports Engineering & Construction Manual Non Cyclonic & Cyclonic Regions Doc 180509 V2025-11-25.
- Flashings - Recommended Installation Doc 180520 V.2023-10-27.

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

B2 Reports

1. Compliance with C2D11(1)(i) based on the following reports:
    a. BRANZ; IANZ Accreditation No. 37, Testing in accordance with AS 5637.1:2015, Test report 374 Issue 2, Dated 23/02/2021.
    b. BRANZ; IANZ Accreditation No. 37, Testing in accordance with AS 5637.1:2015, Test report FI6323-01-2, Dated 23/02/2021.
    c. AWTA; NATA Accreditation No. 1356; Test Report 21-003532; Testing in accordance with AS/NZS 1530.3-1999; Dated 20/07/2021.
    d. AWTA; NATA Accreditation No. 1356; Test Report 23-000591; Testing in accordance with AS/NZS 1530.3-1999; Dated 20/02/2023
    e. AWTA; NATA Accreditation No. 1356; Test No. 19-003619; Testing in accordance with AS/NZS 1530.3-1999; Dated 30/07/2019.
    f. AWTA; NATA Accreditation No. 1356; Test No. 19-003620; Testing in accordance with AS/NZS 1530.3-1999; Dated 30/07/2019.
    g. AWTA; NATA Accreditation No. 1356; Test No. 19-003621; Testing in accordance with AS/NZS 1530.3-1999; Dated 30/07/2019.
    h. AWTA; NATA Accreditation No. 1356; Test No. 19-003622; Testing in accordance with AS/NZS 1530.3-1999; Dated 31/07/2019.
    i. AWTA; NATA Accreditation No. 1356; Test No. 19-003623; Testing in accordance with AS/NZS 1530.3-1999; Dated 31/07/2019.
2. Compliance with J4D4 & H6D2 based on the following reports:
    a. Acronem Consulting Australia Pty Ltd, DELTA PANELS Thermal Performance Letter EPS, dated 22/02/2024
    b. Acronem Consulting Australia Pty Ltd, DELTA PANELS Thermal Performance Letter TPC, dated 08/10/2024.
    c. CSIRO, NATA Accreditation No. 165; Test Report XC3945/R1 – Final Issue (Rev C), dated 11/12/2023.
    d. CSIRO, NATA Accreditation No. 165; Test Report XC3945/R2 – Final Issue (Rev B), dated 11/12/2023.
3. Compliance with B1D4(j)(iv), F3D2(b), H2D6(4) & H1D7 is based on the following report:
    a. Summermore Pty Ltd; Report titled – WEATHER TIGHTNESS CERTIFICATION; Dated 30/4/2024. This report provides certification to AS 1562.1.
4. Compliance with G5D3 & H7D4 is based on the following report:
    a. CSIRO, NATA Accreditation No. 165; Report titled Bushfire test on a roof system, dated 21/12/2023.

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