



Certificate of Conformity

Certificate number: CM40330 Rev1

Certification Body:



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 Pty Ltd
ABN: 11 147 861 292
731 Boundary Road,
Richlands, QLD, 4077
Ph: 07 3271 2170
www.deltapanel.com.au

THIS IS TO CERTIFY THAT

DeltaTrim™DualCore™ & DeltaOrb™DualCore™ Panels

Type and/or use of product:

Roof panel for Awnings & Patios which are situated within 900mm of a site boundary and attached or adjacent to a Class 1a building.

Description of product:

Two pre-painted, roll-formed steel DeltaTrim™ or DeltaOrb™ skins bonded to a Mineral Wool (minimum coverage 900mm) and fire retardant SL Grade Expanded Polystyrene core (EPS). Refer A2 for more information.

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

BCA 2019 (Amdt. 1)

	Volume One	Volume Two
Performance Requirement(s):	Not Applicable	P2.3.1(a) Spread of fire
Deemed-to-Satisfy Provision(s):	Not Applicable	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:

1. Compliance with P2.3.1(a) is subject to site specific performance solution to the satisfaction of the Appropriate Authority as described by the NCC.
2. Any Proposed Performance Solution must be predicated on the following factors and characteristics:
 - a. Two or more sides (making up at least one third of the awning or patio perimeter) shall be "open"; that is the roof covering shall be more than 500 mm from another building or allotment boundary on at least two sides without enclosing these sides with a wall, privacy screen or the like within 500mm of the edge of the roof covering. A boundary along a road or public space such as parklands, lakes, rivers and the like (where the construction of buildings is unlikely) may be considered open regardless of proximity to the boundary subject to no vertical obstruction (wall, privacy screen or the like) within 500 mm of the edge of the roof covering.
 - b. The awning or patio structure shall not provide direct vertical support to any part of the adjacent Class 1 building.
 - c. The portion of the awning system which is located within 900 mm of a site boundary shall consist solely of non-combustible components (subject to (d)) including:
 - i. Mineral wool
 - ii. Pre-finished steel sheeting with combustible surface finish not exceeding 1 mm thickness and with a spread of flame index no greater than 0 in accordance with NCC Clause 3.7.1.1(e).
 - iii. Steel fixtures, gutters and the like
 - iv. Steel columns, beams, purlins and the like
 - v. Metallic flashing
 - d. As the DeltaDualCore panel constitutes a bonded laminate, the following restrictions shall apply to the portion of the panel that is within 900mm of the site boundary:

Building classification/s:

Class 10a

Richard Donarski - CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 17/01/2023

Date of expiry: 28/09/2024



Certificate of Conformity

- i. The lamina's shall be restricted to steel facings with mineral wool core, each of which has been tested to AS1530.1 and are deemed non-combustible.
 - ii. Each adhesive layer may not exceed 1 mm in thickness and the total combined thickness of adhesive layers may not exceed 2 mm.
 - iii. The spread of flame index and the smoke developed index of the bonded laminated material as a whole shall not exceed 0 and 3 respectively.
 - iv. Only the portion of each DeltaDualCore™ panel containing a mineral wool core shall comply with items i) to iii) in accordance with NCC 3.7.1.1(g) (the panel is not intended to comply with NCC 3.7.1.1(g) as a whole).
3. The SL Grade Expanded Polystyrene core (EPS) has not been tested in accordance with AS 1530.1-1994 for non-combustibility.
 4. Any portion of the DeltaTrim™DualCore™ & DeltaOrb™DualCore™ Panels that are located within the 900mm site boundary must contain only the mineral wool portion of the DeltaTrim™DualCore™ & DeltaOrb™DualCore™ Panels.
 5. In the absence of testing to AS 1562.1:2018, roof panels installation must be treated as non-trafficable roofs.
 6. 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 3.7.2.6 Open carports of Volume 2 of the BCA 2019.
 7. Installation must be in accordance with the documents referenced in A5.
 8. Other than the items and information listed, the remainder of the information contained in the product's literature is outside the Scope of 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.

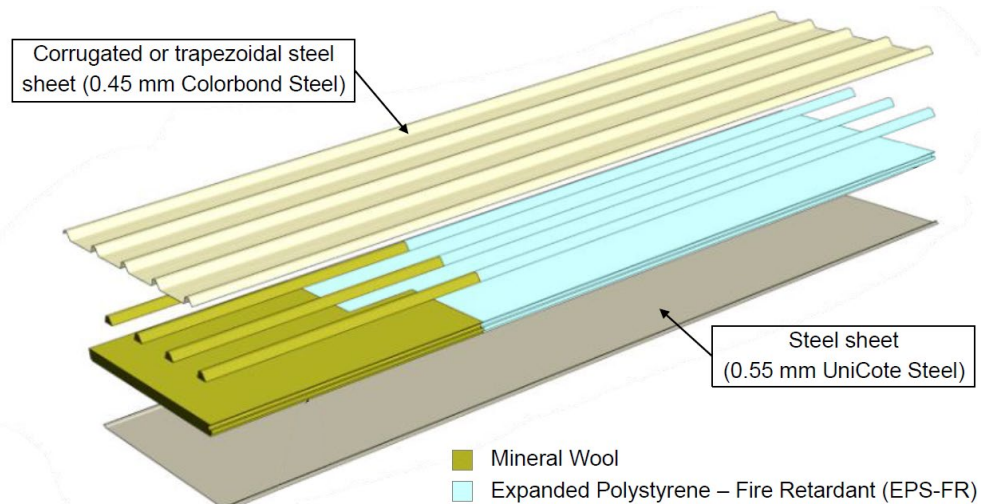
APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

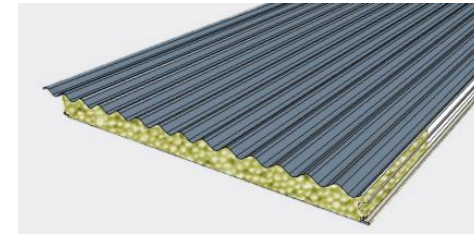
As per page 1.

A2 Description of product

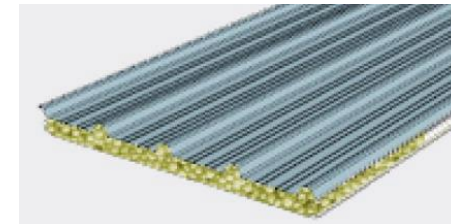
DeltaTrim™DualCore™ & DeltaOrb™DualCore™ Panels consist of a top skin consisting of 0.45mm Colorbond® Steel and a bottom skin consisting of 0.55mm UniCote® Steel. The panels are available in a thickness of 75mm, 100mm, 125mm or 150mm and 1000mm wide in various lengths. DeltaTrim™DualCore™ & DeltaOrb™DualCore™ Panels consist of a Mineral Wool section (minimum coverage 900mm) and fire retardant SL Grade Expanded Polystyrene core (EPS) covers the remainder of the panel.



DeltaOrb™DualCore™



DeltaTrim™DualCore™



DeltaTrim™DualCore™ Fixing Details
Crest fixing only. One fixing every second crest

Panel Thickness	Fixing into Steel	Fixing into Timber
75mm	Tek 14 x 150mm Hex Head Screw	T17 14 x 150mm Hex Head Screw
100mm	Tek 14 x 175mm Hex Head Screw	T17 14 x 175mm Hex Head Screw
125mm	Tek 14 x 200mm Hex Head Screw	T17 14 x 200mm Hex Head Screw
150mm	Tek 14 x 230mm Hex Head Screw	T17 14 x 230mm Hex Head Screw

DeltaOrb™DualCore™ Fixing Details
Crest fixing only. One fixing every second crest

Panel Thickness	Fixing into Steel	Fixing into Timber
75mm	Tek 14 x 135mm Hex Head Screw	T17 14 x 150mm Hex Head Screw
100mm	Tek 14 x 150mm Hex Head Screw	T17 14 x 175mm Hex Head Screw
125mm	Tek 14 x 175mm Hex Head Screw	T17 14 x 200mm Hex Head Screw
150mm	Tek 14 x 200mm Hex Head Screw	T17 14 x 230mm Hex Head Screw

Use Cyclone Plate and Neo Washer on each fixing. Upon Installation the overlap needs to be stitch screwed or riveted every 300mm.

Roof Pitch DeltaTrim™DualCore™ ≥ 2° and DeltaOrb™DualCore™ ≥ 3°.

A3 Product specification

Spread of Fire

DeltaTrim™DualCore™ & DeltaOrb™DualCore™ Panels meet the performance requirements of P2.3.1(a) Volume 2, NCC 2019 Amendment 1 when installed in accordance with the DeltaDualCore™ brochure version V27.08.21 and Section 4.4 (SOTERA Pty Ltd; Fire Engineers Report; DeltaDualCore Panel Class 10a Awning and Patio Roof System; Rev 1-9; Dated 01/09/2021) as a Class 10a structure (awning or patio) attached or adjacent to a Class 1a building positioned directly adjacent to the site boundary (i.e. less than 900 mm from the site boundary). The comparative assessment has demonstrated qualitatively and quantitatively that the DeltaDualCore™ system (when installed to the requirements of Section 4.4 (SOTERA Pty Ltd; Fire Engineers Report; DeltaDualCore Panel Class 10a Awning and Patio Roof System; Rev 1-9; Dated 01/09/2021) does not increase the risk of fire spread from or to an associated Class 1 building when compared to the DtS base case. Performance requirement P2.3.1(a) is satisfied. The assessment is compliant in accordance with A2.2(1)(b) and A2.2(2)(d).

Source: SOTERA Pty Ltd; Fire Engineers Report; DeltaDualCore Panel Class 10a Awning and Patio Roof System; Rev 1-9; Dated 01/09/2021

A4 Manufacturer and manufacturing plant(s)

Delta Panels Pty Ltd
731 Boundary Road,
Richlands, QLD 4077.

A5 Installation requirements

Installation must be in accordance with the [DeltaDualCore brochure V27.08.21](#).

A6 Other relevant technical data

No other relevant technical data.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Spread of Fire Provisions A5.2(1)(e). A report from a professional engineer.

B2 Reports

1. SOTERA Pty Ltd; Fire Engineers Report; DeltaDualCore Panel Class 10a Awning and Patio Roof System; Rev 1-9; Dated 01/09/2021.
2. AWTA; NATA Accreditation No. 1356; Test No. 19-003619; Testing in accordance with AS/NZS 1530.3-1999; Dated 30/07/2019.
3. CSIRO Certificate of Test: AS1530.3-1999 fire test certificate for Bluescope COLORBOND Metallic Steel Polyester, Report No. FNE11605; Dated 11/02/2016.
4. CSIRO Certificate of Test: AS1530.3-1999 fire test certificate for UniCote pre-painted steel sheeting, Report No. FNE11809A; Dated 12/10/2016.
5. CSIRO Certificate of Test: AS1530.1-1994 fire test certificate for Mineral Wool / Rockwool, Report No. FNC12604; Dated 08/07/2020.
6. AWTA Product Testing: AS1530.3-1999 Test Report for DeltaTrim-EPS-FR, Test Number 19-003623; Dated 31/07/2019.

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