



# Certificate of Conformity

Certificate number: CM40345 Rev1

**Certification Body:**



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**Certificate Holder:**



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**THIS IS TO CERTIFY THAT**

## DeltaFireX™

**Type and/or use of product:**

Insulated roof panels with a Mineral Wool core.

**Description of product:**

Delta FireX™ roof panels incorporates the non-combustible DeltaTrim-MW & DeltaOrb-MW panels. The panels are available in a 75mm, 100mm, 125mm or 150mm thick and 1000mm wide panel in various lengths. Refer A2 for details.

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

**BCA 2022 (Amdt. 2)**

	Volume One	Volume Two
<b>Performance Requirement(s):</b>	Not Applicable	Not Applicable
<b>Deemed-to-Satisfy Provision(s):</b>	C2D10(6)(g) Non-combustible building elements C2D11(1)(i) Fire hazard properties – Group number classification. Limited to the DeltaTrim-MW Panel Only J4D4 Energy efficiency – Must be used in conjunction with other building elements to achieve a Total R Value.	H3D2(g) Non-combustible materials H6D2 Energy efficiency – Must be used in conjunction with other building elements to achieve a Total R Value.
<b>State or territory variation(s):</b>	Not Applicable	H6D2(VIC)

**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 of DeltaFireX™ Panel with NCC Vol. 2 H3D2(g) is as a non-combustible bonded laminated material.
2. Construction shall be in strict accordance with the details is A5.
3. The structural support members are designed and engineered separately as per project requirements by building designers and engineers and consideration of the requirements of C2D15 Fixing of bonded laminated cladding panels.
4. When used as an open carport the design needs to consider the requirements of Part 9.2.8 of the ABCB Housing Provisions with the exception of 9.2.8.(c), (d) & (f)(i), to the satisfaction of the appropriate authority.
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 Gugliotti- CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 29/01/2026

Date of expiry: 11/05/2028





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**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](http://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

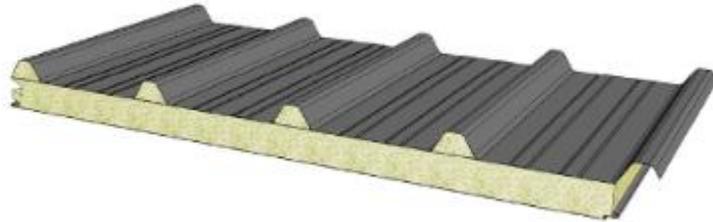
As per page 1.

### A2 Description of product

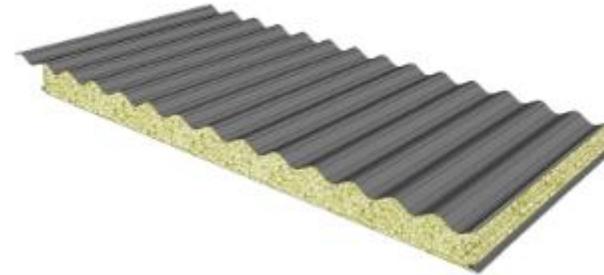
DeltaFireX™ incorporates DeltaTrim-MW & DeltaOrb-MW panels which consist of a top skin of 0.42mm/G550 AZ150 Steel and a bottom skin of 0.55mm G300 Z275 Steel with a 100kg/m<sup>3</sup> nominal density Mineral Wool core. The panels are available in a 75mm, 100mm, 125mm or 150mm thick and 1000mm wide panel in various lengths.

### A3 Product specification

**DeltaTrim-MW**



**DeltaOrb-MW**



#### DeltaTrim-MW Fixing Details

Crest fixing only. One fixing every second crest

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

#### DeltaOrb-MW Fixing Details

Crest fixing only. One fixing every second crest

Panel Thickness	Fixing into Steel
75mm	Tek 14 x 135mm Hex Head Screw
100mm	Tek 14 x 150mm Hex Head Screw
125mm	Tek 14 x 175mm Hex Head Screw
150mm	Tek 14 x 200mm 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-MW ≥ 2° and DeltaOrb-MW ≥ 3°.

**Non-Combustibility** Each lamina of the DeltaTrim-MW & DeltaOrb-MW Panels have been tested in accordance with AS 1530.1-1994 and is NOT deemed combustible.

Fire Properties	DeltaTrim-MW	
<b>AS/NZS 1530.3-1999</b>	<b>Ignitability Index</b>	0 Range 0-20
<b>Regulatory Indices</b>	<b>Spread of Flame Index</b>	0 Range 0-10
	<b>Heat Evolved Index</b>	0 Range 0-10
	<b>Smoke Index</b>	3 Range 0-10

Source: AWTA Report 21-003527, dated 19/07/2021.

Fire Properties	DeltaOrb-MW	
<b>AS/NZS 1530.3-1999</b>	<b>Ignitability Index</b>	0 Range 0-20
<b>Regulatory Indices</b>	<b>Spread of Flame Index</b>	0 Range 0-10
	<b>Heat Evolved Index</b>	0 Range 0-10
	<b>Smoke Index</b>	3 Range 0-10

Source: AWTA Report 21-003529, dated 19/07/2021.

## Fire hazard properties

Group number classification for the **DeltaTrim-MW Panel only**.

The test was performed in accordance with the requirements of AS ISO 9705:2003 (R2016) to determine the group number that may be assigned to the material using the classification schemes given in AS 5637.1:2015.

<b>Group number</b>	<b>1</b>
<b>SMOGR<sub>RC</sub> (in m<sup>2</sup>/s<sup>2</sup> × 1000)</b>	<b>1.5</b>

*Source: SPECTRA Fire Engineers Project No. 25367; Fire Engineering Assessment dated 25/11/202 and Jensen Hughes Report No. RTF252619 R1.0 dated 22/10/2025*

## Energy Efficiency

### Declared R of insulated sandwich panels - DeltaOrb™-MW roofs

Nominal Thickness (mm)	Insul Effective Thickness (mm)	Material R <sub>50/90</sub> values (m <sup>2</sup> .K/W)			Total R values (m <sup>2</sup> .K/W)	
		Winter (15°C)	Rating (23°C)	Summer (30°C)	Winter (15°C)	Summer (30°C)
50	57.2	1.60	1.55	1.50	1.75	1.70
75	82.5	2.35	2.25	2.15	2.50	2.35
100	107.6	3.05	2.90	2.80	3.20	3.00
125	132.7	3.75	3.60	3.50	3.90	2.70
150	157.7	4.45	4.30	4.15	4.60	4.35
175	182.7	5.20	5.00	4.80	5.35	5.00
200	207.8	5.90	5.65	5.50	6.05	5.70

### Declared R of insulated sandwich panels - DeltaTrim™-MW roofs

Nominal Thickness (mm)	Insul Effective Thickness (mm)	Material R <sub>50/90</sub> values (m <sup>2</sup> .K/W)			Total R values (m <sup>2</sup> .K/W)	
		Winter (15°C)	Rating (23°C)	Summer (30°C)	Winter (15°C)	Summer (30°C)
50	53.7	1.50	1.45	1.40	1.65	1.60
75	79.2	2.25	2.15	2.05	2.40	2.25
100	104.4	2.95	2.85	2.75	3.10	2.95
125	129.6	3.65	3.55	3.40	3.80	3.60
150	154.7	4.40	4.20	4.05	4.55	4.25
175	179.8	5.10	4.90	4.75	5.25	4.95
200	204.8	5.80	5.60	5.40	5.95	5.60

- NOTES:**
- Determinations based upon AS/NZS 4859 Parts 1&2:2018, Thermal insulation materials for buildings.
  - The Declared R-values are believed representative at the date of calculation, however the author reserves the right to revise calculations.
  - DeltaTrim™-MW roofs are 0.42&0.55mm metal-skinned insulated panels with a core of mineral wool of approximately 100kg/m3 density.
  - DeltaOrb™-MW roofs are 0.42&0.55mm metal-skinned insulated panels with a core of mineral wool of approximately 100kg/m3 density.
  - Total R values (roofs) calculated by adding air film resistances (0.04 outside, inside 0.11 winter, or 0.16 summer).
  - Thermal resistances calculated above are based on the following BRANZ test report of 10 samples each:
  - DI13193-001-01 of 24/8/2020 on 100 kg/m3 mineral wool panel, 100mm thick, λ50/90=0.0365 W/mK at 23°C.
  - Testing of 200mm product is pending so this report assumes the same thermal conductivity as for 100mm product.
  - Each R varies with insulation mean temperature and is calculated per Table 1 parameters of AS/NZS 4859.2:2018.

*Source: James Fricker Report i548c DeltaOrb™-MW roofs dated 16/07/2023 & Report i548c DeltaTrim™-MW roofs dated 18/07/2023*



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## A4 Manufacturer and manufacturing plant(s)

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

## A5 Installation requirements

Installation of DeltaFireX is to be installed accordance with the [Handling & Installation Manual Delta Panels Roofing Systems V2025.12.01](#) and incorporates the use of either DeltaTrim-MW & DeltaOrb-MW and the appropriate documents below.

- [DeltaOrb-MW Specifications V25-12-04](#);
- [DeltaTrim-MW Specifications V25-12-04](#)
- [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](#)
- [DeltaFireXRoof brochure version V25.12.04](#).

## A6 Other relevant technical data

No other relevant technical data.

## APPENDIX B – EVALUATION STATEMENTS

### B1 Evaluation methods

1. Energy Efficiency Provisions A5G3(1)(e). Reports from a professional engineer.
2. Fire Safety Provisions A5G3(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.

### B2 Reports

1. AWTA Testing Authority Ltd; NATA Accreditation No. 1356; Report 21-003527; Testing in accordance with AS/NZS 1530.3-1999, Dated 19/07/2021. Report is supporting compliance with H3D2(g).
2. AWTA Testing Authority Ltd; NATA Accreditation No. 1356; Report 21-003529; Testing in accordance with AS/NZS 1530.3-1999, Dated 19/07/2021. Report is supporting compliance with H3D2(g).
3. CSIRO; NATA Accreditation No. 165; Report No. FNC12440; Combustibility test for materials in accordance with AS 1530.1-1994; Dated 09/09/2019. Report is supporting compliance with H3D2(g).
4. CSIRO; NATA Accreditation No. 165; Report No. FNC12604; Combustibility test for materials in accordance with AS 1530.1-1994; Dated 24/07/2020. Report is supporting compliance with H3D2(g).
5. SOTERA Pty Ltd; Fire Engineers Report No. A21007 J005 Rev 1-4; DeltaFireX Carport System; Dated 17/01/2023. Report is supporting compliance with H3D2(g).
6. SPECTRA Fire Engineers; Project No. 25367; Fire Engineering Assessment of DeltaCool, DeltaSecrectFix, DeltaTrim at 100 mm and 75 mm Fire Performance; Dated 25/11/2025. Report provides group number classification for DeltaTrim-MW panels in accordance with C2D11(1)(i). Report references the following assessments;
  - a. Jensen Hughes; Report No. RTF252619 Revision R1.0; Reaction to Fire Test Report; DeltaCool™ 100 mm thick smooth panel – Mineral wool core; Dated 22/10/2025.
  - b. Jensen Hughes; Report No. RTF252674 Revision R1.0; Fire Assessment Report DeltaCool-MW and DeltaTrim-MW in accordance with AS 5637.1; Dated 22/10/2025.
7. James Fricker; Thermal Calculations Report i548c; DeltaOrb™-MW roofs; Dated 16/07/2023. Report is supporting compliance with J4D4 and H6D2.
8. James Fricker; Thermal Calculations Report i548c; DeltaTrim™-MW roofs; Dated 18/07/2023. Report is supporting compliance with J4D4 and H6D2.

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