

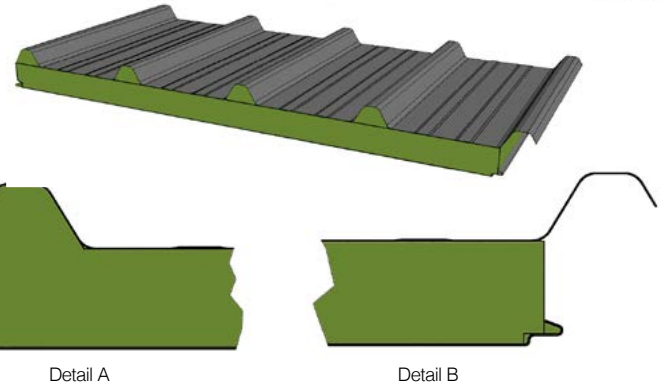
DeltaTrim-MW is an Insulated Roof Panel System, comprising of two pre-painted, with roll-formed steel skins boned to a non-combustible mineral wool core.

The top profile offers striking looks with all of the benefits of modern Insulated Panel technologies.

The bottom skin has a roll-formed tongue and groove edge.

CodeMark Australia Certificate CM40345 DeltaFireX Car Port System incorporating DeltaTrim-MW panels certifies compliance with the stated performance provisions of the NCC 2022. Please refer to the certificate, as displayed on our web page, for the exact details of the compliance.

CodeMark Australia Certificate CM40346 Class 10a Awning and Patio Roof System incorporating DeltaTrim-MW and DeltaTrim-EPS panels certifies compliance with the stated performance provisions of the NCC 2022. Please refer to the certificate, as displayed on our web page, for the exact details of the compliance.



Early Fire Hazard Properties AS 1530.3:1999

AWTA Test Report 21-003527 19/07/21

Index	Test Range	External Top Skin
Ignitability	0-20	0
Spread of Flame	0-10	0
Heat Evolved	0-10	0
Smoke Developed	0-10	3

Combustibility Test AS 1530.1-1994

CSIRO Report no. FNC12604 dated 8/7/2020 tested five (5) samples of the Delta Panels supplied mineral wool sample and certified that the material is NOT deemed combustible according to the criteria specified in clause 3.4 of AS 1530.1-1994.

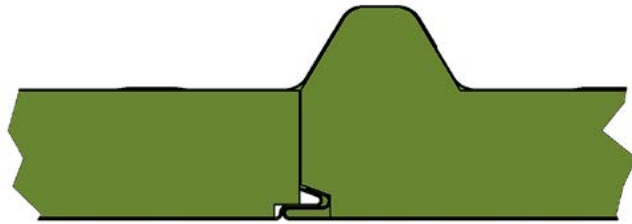
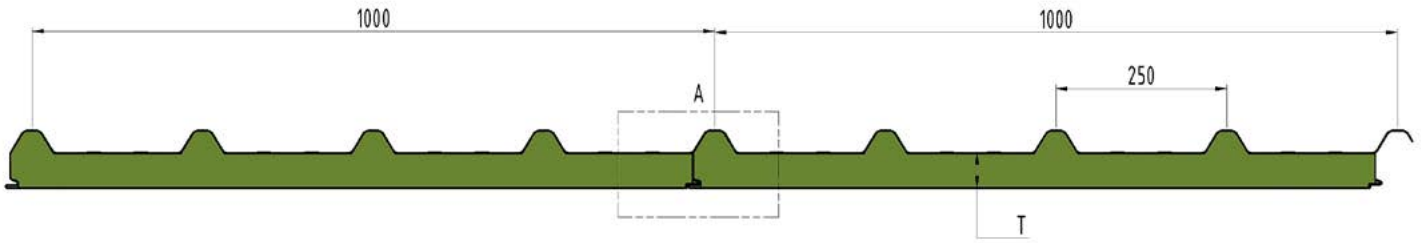
Sotera - FireX™ Car Port System

The Sotera report A21007 J005 - DeltaFireX Car Port System FER dw rev 1-4 confirms that the FireX™ Car Port System meets the performance requirements of P2.3.1(a) Volume 2, NCC 2022 Amendment 1 when installed in accordance with the DeltaFireXRoof Brochure version V24.07.03 and section 4.4 of their report as a Class 10a structure (car port) 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)

Sotera - Delta MW and EPS-FR Awning & Patio Roof System

The Sotera report A21007 J004 - Delta MW and EPS-FR Awning and Patio Roof System FER dw rev 1-4, confirms that the Mineral Wool & EPS-FR Awning & Patio Roof System meets the performance requirements of P2.3.1(a) Volume 2, NCC 2022 Amendment 1 when installed in accordance with the Delta Mineral Wool Panels Brochure version V24.07.03 and section 4.4 of their report as a Class 10a structure (car port) 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)

Steel Skin Details	Top Skin	0.42mm / G550 AZ150	
	Bottom Skin	0.55mm / G300 Z275	
Max. Skin Temperature	78°C Dry Heat		
Core Material Details	Mineral Wool		
Thermal Conductivity AS 1366.2/ASTM C 518	0.0365 W/mK @23.0°C		
Core Density	100kg/m ³		
Panel Weight (kgs/m²) based on 0.6mm steel skins	75mm Panel	18.50	
	100mm Panel	21.00	
	125mm Panel	23.50	
	150mm Panel	26.00	
External Roof R Value (m².K/W) AS/NZS 4859 Parts 1 & 2:2018	Thickness	Winter (15°)	Summer (30°)
	75mm Panel	2.40	2.25
	100mm Panel	3.10	2.95
	125mm Panel	3.80	3.60
	150mm Panel	4.55	4.25
Certificate of Conformity	CM40435 & CM40436		
Sheet Coverage	1000mm		
Length (mm)	Cut to Length Min of 1800mm		
Length Tolerance (mm)	5mm+/-		
Thickness (mm)	75, 100, 125, 150		
Minimum Roof Pitch	2°		
Flatness Standards	0.40mm	Surface deformations can be apparent to the naked eye when observed in certain lighting conditions	
	0.60mm		



Detail A

DeltaTrim-MW Spanning Recommendation

Due to the friable nature of Mineral Wool we recommend that the maximum unsupported spanning is:-

75mm - 2500mm	100mm - 2500mm
125mm - 3000mm	150mm - 3000mm

DeltaTrim-MW Acoustic Values

DeltaTrim-MW Acoustic Testing has been performed in compliance with the requirements of AS 1191-2002 "Acoustics - Method for Laboratory Measurement of Airborne Sound Insulation of Building Elements".

The procedures specified by AS/NZS ISO 717.1:2024 were used to calculate the Sound Transmission Class (STC) and the Weighted Sound Reduction Index $R_w = 25$ dB.

DeltaTrim-MW Fixing Details

Crest fixing only. One fixing every second crest

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

Handling & Installation

DeltaTrim-MW core material is fibrous as such it is easy to fracture the mineral wool fibres if handled and installed incorrectly. Please ensure that correct lifting equipment is used when the panels are transported and lifted into position. Refer to the Handling & Installation Manual - Roof Systems for the correct Crane & Sling Procedures. When installing Mineral Wool panels only step onto the section of the panels that are supported by the underneath roof structure. **Do not step on unsupported spans.** Once installed it is classified as trafficable when used for maintenance purposes. The following recommendations should be observed at all times.

- Wear flat, rubber soled shoes
- Walk over the roof supporting beams
- Spread your weight over as many roof crests as possible
- Crawl boards should be used when accessing areas not supported by a structure

Aesthetics

Roll-formed metal sheeting as utilised in DeltaTrim™ Insulated Panels may exhibit waviness, commonly referred to as "oil-canning." The degree of oil-canning will vary depending on factors such as the panel's length, colour and exposure to sunlight. Oil-canning pertains to aesthetics only and has no adverse effect on the structural performance of the panels. Delta Panels is not responsible for oil-canning or aesthetics. Oil-canning shall not be grounds to withhold payment or reject panels.



As at the stated Version Date all of the information contained in this document is correct. Please check on our WebPage to ensure that you're referencing the current version.

Please refer to the web page for the available colour range, paint finishes and relevant warranty conditions.