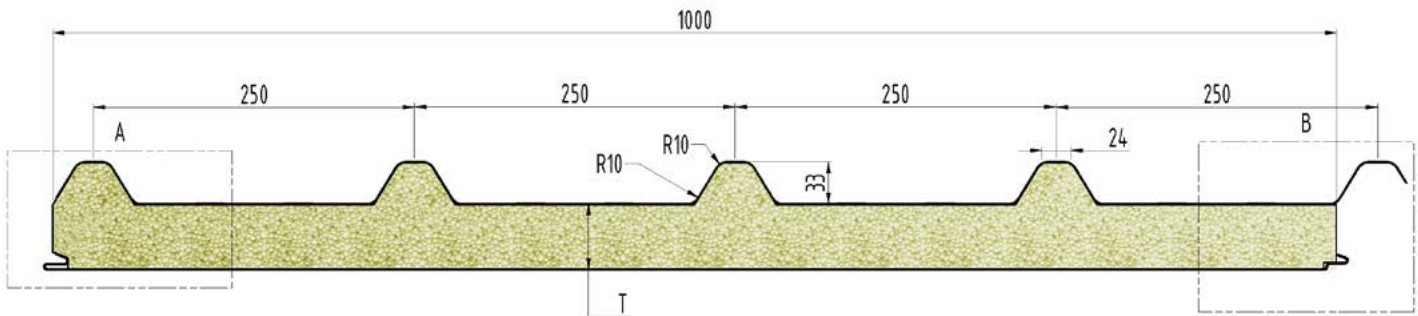
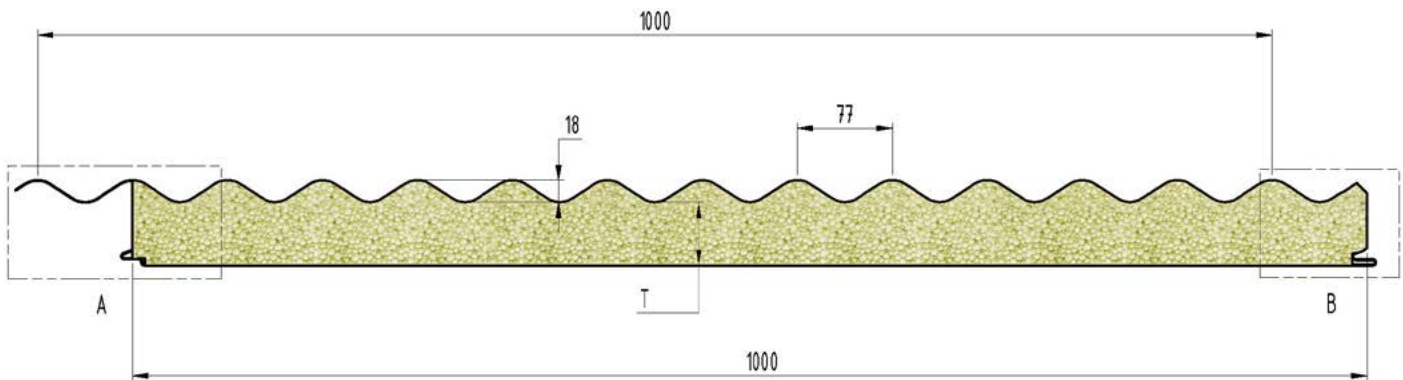


## DELTATRIM™ - MINERAL WOOL



## DELTAORB™ - MINERAL WOOL



**APPROVED AWNING AND PATIO ROOFING SOLUTION NEXT TO THE BOUNDARY**

**AUSTRALIAN MADE FOR AN AUSTRALIAN LIFESTYLE**

### PRODUCT DESCRIPTION

Delta Mineral Wool Panels utilise a unique combination of core materials, allowing the panel to retain the structural and aesthetical benefits of insulated panels, while still conforming to non-combustibility requirements outlined in Part 3 of the NCC 2022 - Volume Two, for the Mineral Wool section of the panel.

### PRODUCT FEATURES

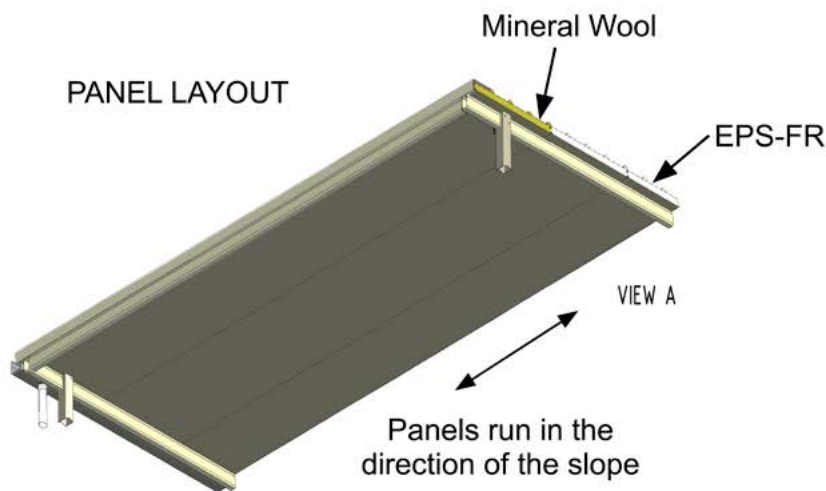
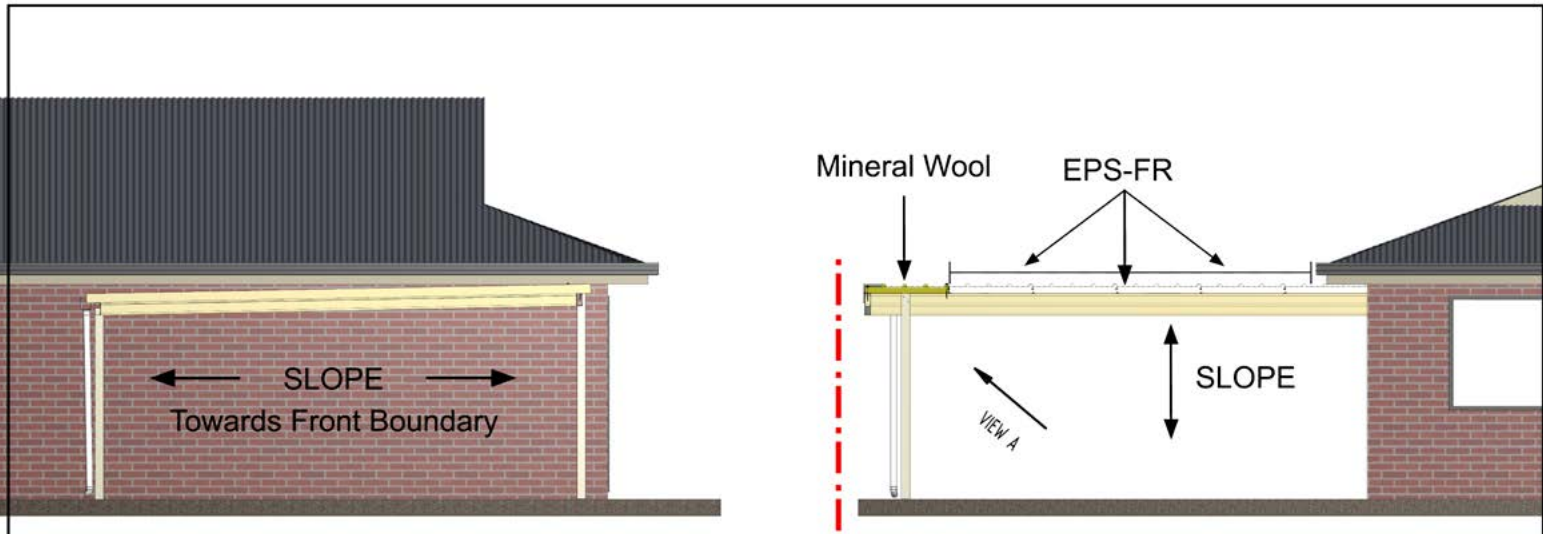
- CodeMark Australia Certificate CM40346 Class 10a Awning and Patio Roof System incorporating DeltaTrim-MW and /or DeltaOrb-MW in combination with DeltaTrim-EPS-FR panels certifies compliance with the stated performance provisions of the BCA 2022. Please refer to the certificate, as displayed on our web page, for the exact details of the compliance.
- Engineer Certified to confirm to the non-combustible requirements of Class 10 Buildings for the Mineral Wool section of the panel.
- Available in both DeltaTrim™ & DeltaOrb™ Top sheets
- Full colour range of Delta Roofing
- Offers a practical solution to building Awning and Patio Roofing along the boundary line.



## DELTA MINERAL WOOL PANELS

- For Awnings and Patios that finish within 900mm along the boundary line.

### PANEL LAYOUT RUNNING ALONG THE BOUNDARY LINE



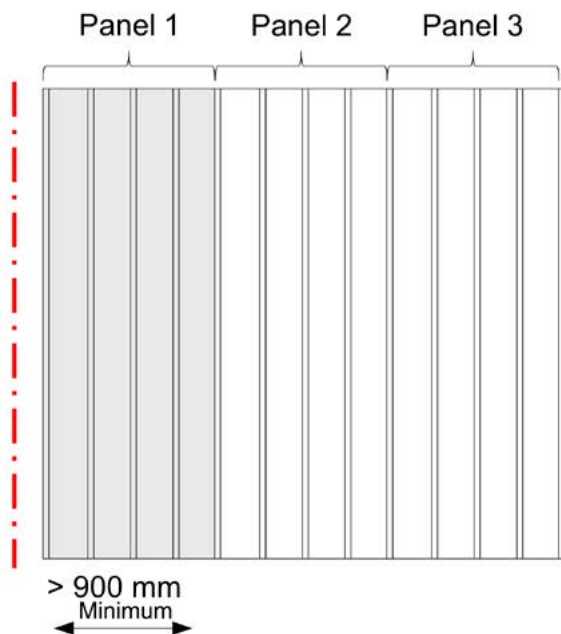
<p>© copyright reserved Email: info@deltapanel.com</p>	Description PANEL LAYOUT SLOPING ALONG THE BOUNDARY LINE		
	Filename & Path C:\HW\DELTA PANELS & PATIOS\ASSEMBLES	Date: 13/10/2020	Designed by DP
	Drawing No. PATIO ON BOUNDRY MW_2		
	Rev: A	Sheet 1/1	

## DELTADUALCORE™ PANELS

- For Awnings and Patios that finish within 900mm along the boundary line.

### PANEL LAYOUT

- Design Configuration



NOT DRAWN TO SCALE

- Mineral Wool
- Expanded Polystyrene – Fire Retardant (EPS-FR)
- · — Site boundary

### CERTIFICATION LIMITS

- Certification is only for DeltaTrim-MW and DeltaOrb-MW Panel and fixings but not the structure that the panels are affixed to.
- Any portion of the DeltaTrim-MW and DeltaOrb-MW Panel that is located within the 900mm site Boundary must have a mineral wool core and must NOT contain any Expanded Polystyrene with fire retardant (EPS-FR) core.
- Please refer to the CM40346 certificate as displayed on our web page, for the exact details of the stated compliance.

## TECHNICAL SPECIFICATIONS

<b>Steel Skin Details Roof</b>	Top Skin	0.42mm / G550 AZ150
	Bottom Skin	0.55mm / G300 Z275
<b>Max. Skin Temperature</b>	78°C Dry Heat	
<b>Core Material Details</b>	Mineral Wool	
<b>Thermal Conductivity</b>	0.042 W/mK @23.0°C	
<b>Core Density</b>	100kg/m <sup>3</sup>	
<b>0.6mm Skin Weight (kg/m<sup>2</sup>)</b>	75mm Panel	18.50
	100mm Panel	21.00
	125mm Panel	23.50
	150mm Panel	26.00
<b>R Value</b>	75mm Panel	2.50
	100mm Panel	3.30
	125mm Panel	4.20
	150mm Panel	5.00
<b>Certificate of Conformity</b>	CM40436	
<b>Sheet Coverage</b>	1000mm - Roof	
<b>Length (mm)</b>	Cut to Length Min of 1800mm	
<b>Length Tolerance (mm)</b>	5mm+/-	
<b>Thickness (mm)</b>	75, 100, 125, 150	
<b>Flatness Standards</b>	0.55mm	Surface deformations can be apparent to the naked eye when observed in certain lighting conditions

### DeltaTrim™ Fixing Details

Crest fixing only. One fixing every second crest

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

### DeltaOrb™ Fixing Details

Crest fixing only. One fixing every second crest

Panel Thickness (mm)	Fixing into Steel
75	Tek 14 x 135 Hex Head Screw
100	Tek 14 x 150 Hex Head Screw
125	Tek 14 x 175 Hex Head Screw
150	Tek 14 x 200 Hex Head Screw

## FIRE TEST PERFORMANCE

### 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)

### Early Fire Hazard Properties AS 1530.3 1989

AWTA Test Reports 21-003527 & 21-003529

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

