

- Non-Combustible Insulated Panels for Awnings, Patios & Carports



APPROVED AWNINGS, PATIOS & CARPORTS SOLUTION NEXT TO BOUNDARY

AUSTRALIAN MADE FOR AN AUSTRALIAN LIFESTYLE

PRODUCT DESCRIPTION

DeltaFireX™ Panels utilise a mineral wool core allowing the panels 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

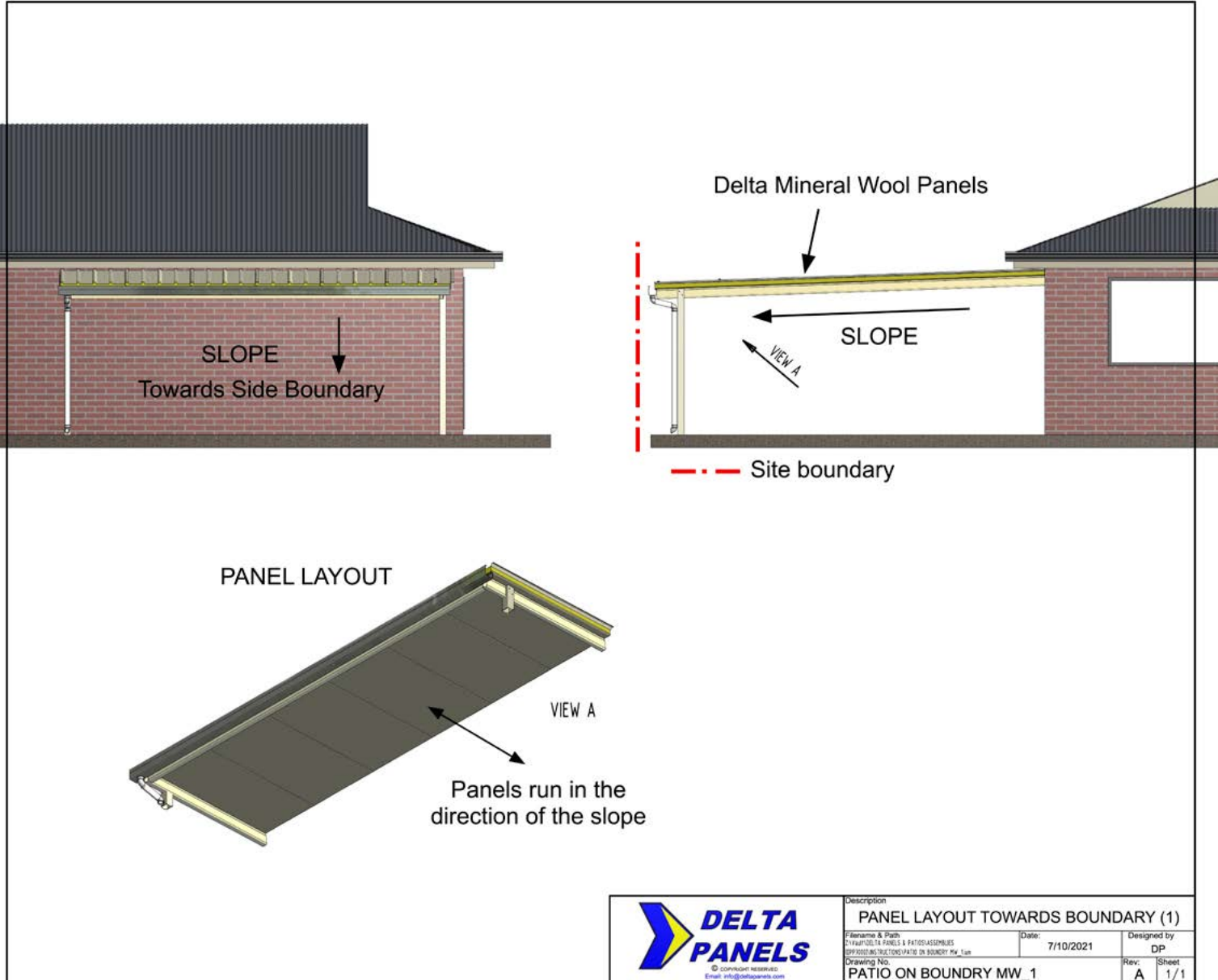
- CodeMark Australia Certificate CM40345 DeltaFireX Car Port System incorporating DeltaTrim-MW and/or DeltaOrb-MW panels certifies compliance with the stated performance provisions of the BCA 2022. Please refer to the certificate, as displayed on our web page, for the exact details of the compliance.
- 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 Awnings, Patio & Carport Roofing along the boundary line.



DELTA MINERAL WOOL PANELS

- For Awnings, Patios and Carport Roofing that finishes within 900mm of the Side Boundary line.

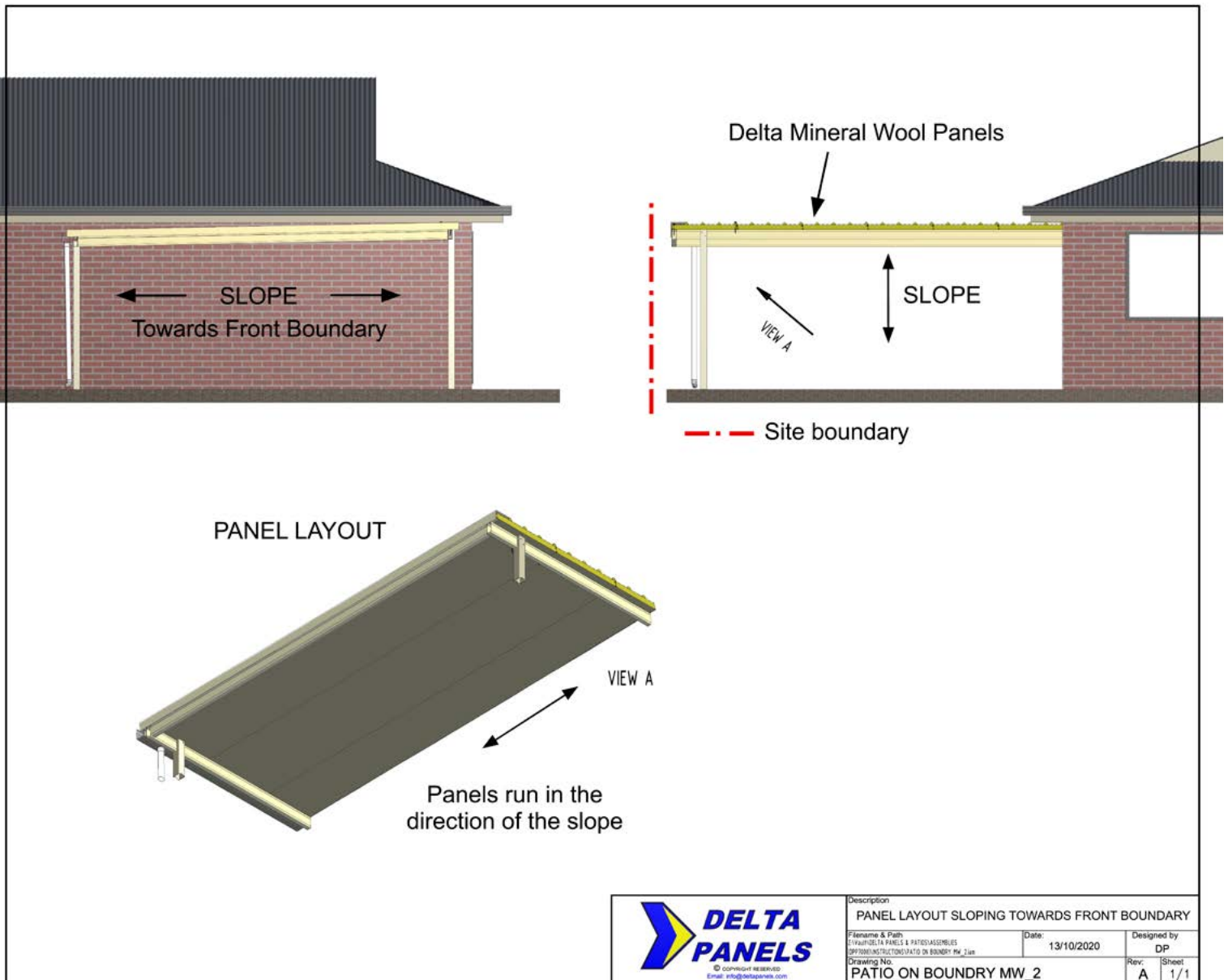
PANEL LAYOUT RUNNING TOWARDS THE SIDE BOUNDARY LINE



DELTA MINERAL WOOL PANELS

- For Awnings, Patios and Carport Roofing that finishes within 900mm of the Front Boundary line.

PANEL LAYOUT RUNNING TOWARDS THE FRONT BOUNDARY LINE



TECHNICAL SPECIFICATIONS

Steel Skin Details Roof	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	0.042 W/mK @23.0°C	
Core Density	100kg/m ³	
0.6mm Skin Weight (kg/m²)	75mm Panel	18.50
	100mm Panel	21.00
	125mm Panel	23.50
	150mm Panel	26.00
R Value	75mm Panel	2.50
	100mm Panel	3.30
	125mm Panel	4.20
	150mm Panel	5.00
Certificate of Conformity	CM40435	
Sheet Coverage	1000mm - Roof	
Length (mm)	Cut to Length Min of 1800mm	
Length Tolerance (mm)	5mm+/-	
Thickness (mm)	75, 100, 125, 150	
Flatness Standards	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

