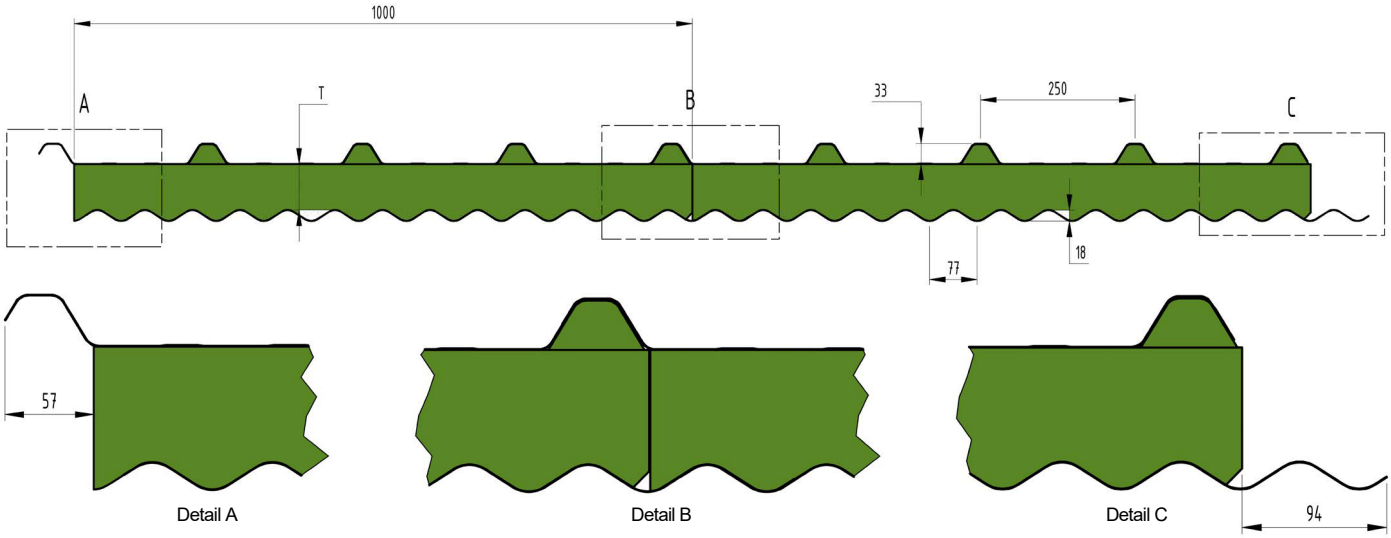
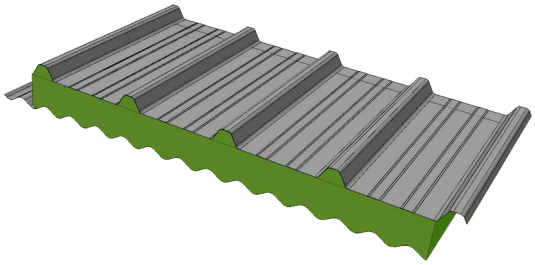
DeltaTrimCorro-MW





Due to the nature of the manufacturing process the actual dimensions may vary. Please refer to the stated acceptable tolerances allowances.

DeltaTrimCorro-MW is an Insulated Roof Panel System, comprising of two pre-painted, roll-formed steel skins, bonded to a Mineral Wool core.

Both skins offer classical corrugated lines with all of the benefits of modern Insulated Panel technologies.

Fire Test Certificate - AS ISO 9705

Group 1 Classification in accordance with NCC 2022 Volume One Amendment 2 Clause C2D11 & Clause S7C4 determined in accordance with AS 5637.1:2015 as per Jensen Hughes test report 252674 issued 28 November 2025 & Spectra Fire Engineers report 25367 issued 25 November 2025

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.

Early Fire Hazard Properties AS 1530.3:1999

AWTA Test Report 23-000591 20-02-2023

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

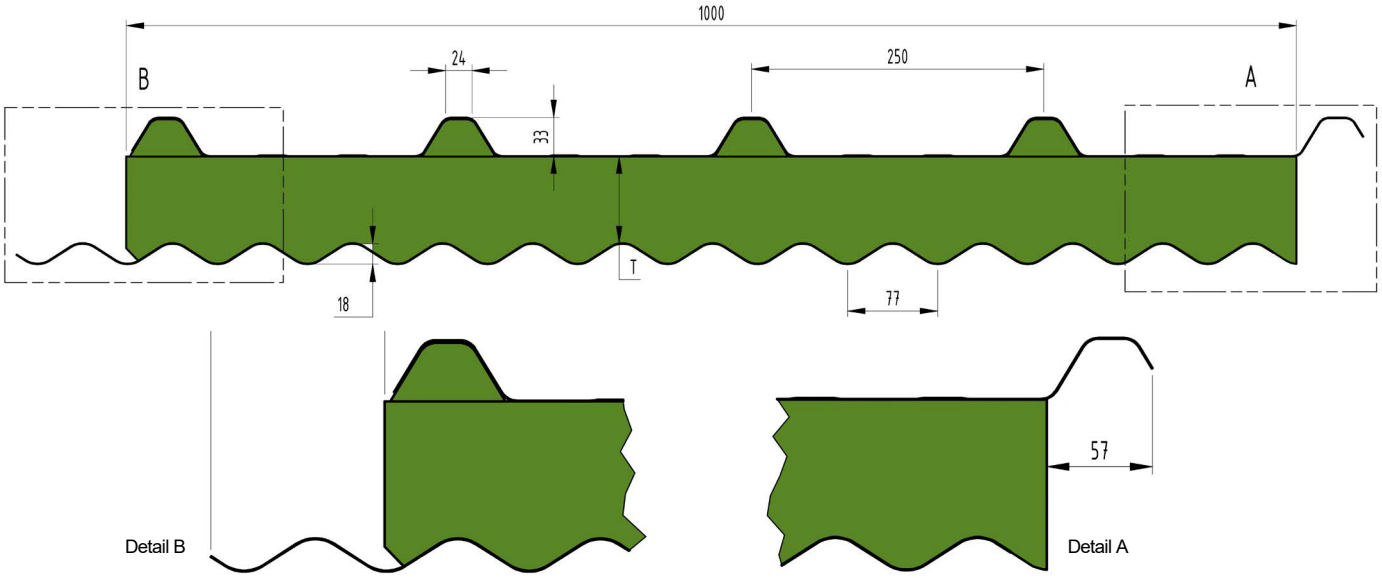
Steel Skin Details	Top Skin	0.42mm / G550 AZ150	
	Bottom Skin	0.42mm / G550 AZ150	
Max. Skin Temperature	78°C Dry Heat		
Core Material Details	Mineral Wool		
Thermal Conducti vity AS 1366.2/ASTM C 518	Average 0.039 W/mK @23°C		
Core Density	110kgs/m³ +/- 10%		
Panel Weight (kgs/m ²) based on 0.6mm steel 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	2.50	2.35
	100mm Panel	3.20	3.05
	125mm Panel	3.95	3.75
	150mm Panel	4.65	4.40
Sheet Coverage	1000mm, +/-5mm		
Length (mm)	Cut to Length Min of 1800mm		
Length Tolerance (mm)	5mm+/-		
Thickness (mm)	75, 100, 125, 150		
Minimum Roof Pitch	Building Classes 1-9 - 5°		
	Building Class 10 - 3°		
Flatness Standards	0.40mm 0.60mm	Surface deformations can be apparent to the naked eye when observed in certain lighting conditions	

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e: info@arcpanel.com.au w: www.arcpanel.com.au

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DeltaTrimCorro-MW

ARCPANEL BY DELTA



DeltaTrimCorro-MW Acoustic Values

		75mm	150mm
Frequency	100	15.41	15.00
	160	16.40	15.09
	200	18.81	17.70
	250	19.70	18.51
	315	21.39	19.40
	400	22.31	19.69
	630	23.40	19.10
	800	23.69	17.31
	1000	25.61	18.29
	1250	21.01	30.10
	1600	20.00	36.19
	2000	34.79	37.30
	2500	41.70	37.09
	3150	44.10	35.69
	5000	44.61	39.90
	STC	24.00	23.00
	RW	25.00	24.00

DeltaTrimCorro-MW Fixing Details

Crest fixing only. One fixing every second crest

Panel Thickness (mm)	Fixing into Steel	Fixing into Timber
75	Tek 14 x 115 Hex Head Screw	T17 14 x 125 Hex Head Screw
100	Tek 14 x 135 Hex Head Screw	T17 14 x 150 Hex Head Screw
125	Tek 14 x 150 Hex Head Screw	T17 14 x 175 Hex Head Screw
150	Tek 14 x 175 Hex Head Screw	T17 14 x 200 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

DeltaTrimCorro-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

Acoustic Performance

Acoustic testing has been performed on TPC panels 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 Rw = 25 dB.

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.

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