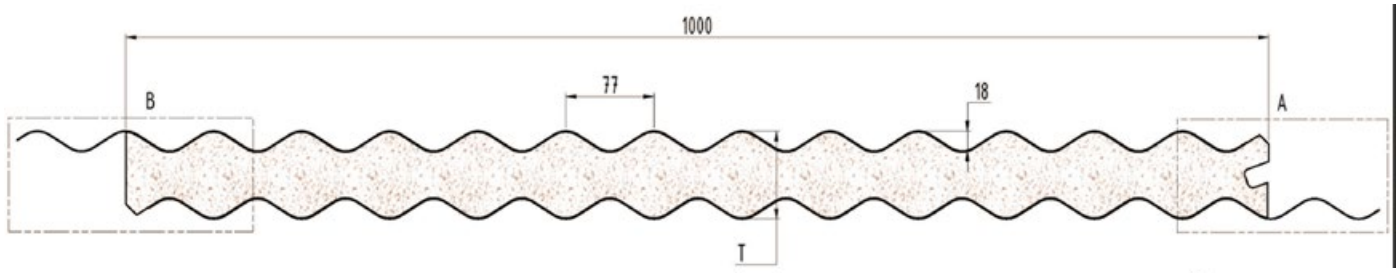
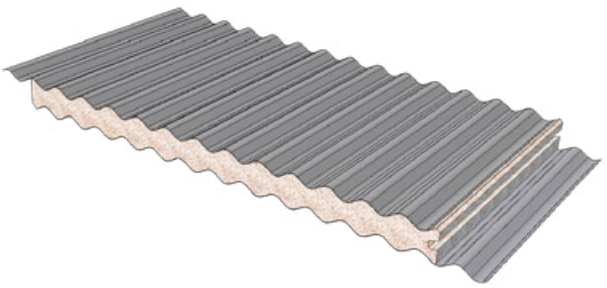
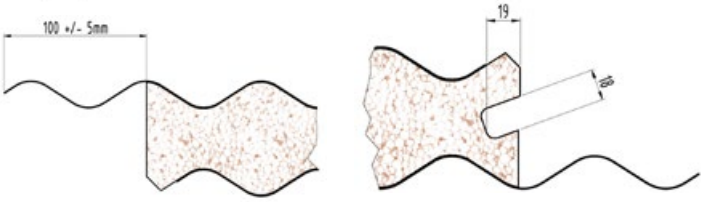
DeltaCorroCorro-TPC SPECIFICATIONS







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

DeltaCorroCorro-TPC is an Insulated Roof Panel System, comprising of two pre-painted, roll-formed steel skins, bonded to a Thermosetting Phenolic Composite core.

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

Recommendations

- Commercial Buildings
- Community Covered Areas
- Schools
- Sporting Complexes
- Covered Walkways
- Wineries
- Architectural Features
- Shopping Centres

Single Spans (mm)

Wind Category	Panel Thickness	3 Sides Open	2 Sides Open	1 Side Open	Fully Enclosed
N2 (W33)	75	4900	4900	4900	4900
	100	6300	6300	6300	6300
	125	7600	7600	7600	7600
N3 (W41)	75	4800	4400	4000	4000
	100	6000	5600	5100	5100
	125	7300	6700	6100	6100
N4 (W50)	75	4000	3500	3200	3200
	100	5000	4600	4200	4200
	125	6000	5600	5000	5000

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	Thermosetting Phenolic Composite		
Thermal Conductivity AS 1366.2/ASTM C 518	Average 0.0394 W/mK @23°C		
Adhesive	Thermosetting two-part adhesive		
Core Density	36kgs/m³ +/- 4kgs		
Weight (kgs/m²)	75mm Panel	13.88	
	100mm Panel	15.17	
	125mm Panel	16.17	
	150mm Panel	18.23	
	175mm Panel	19.23	
	200mm Panel	21.29	
	225mm Panel	19.0	
	250mm Panel	19.9	
R Value (m².K/W) AS/NZS 4859 Parts 1 & 2:2018	Thickness	Winter (15°C)	Summer (30°C)
	75mm Panel	1.50	1.50
	100mm Panel	2.15	2.10
	125mm Panel	2.85	2.75
	150mm Panel	3.50	3.35
	175mm Panel	4.15	4.00
	200mm Panel	4.80	4.60
	225mm Panel	5.45	5.25
	250mm Panel	6.10	5.85
Length Tolerance	5mm +/-		
Sheet Coverage (mm)	1000mm, +/-5mm		
Length (mm)	Cut to Length Min of 1800mm		
Thickness (mm)	75, 100, 125, 150, 175, 200, 225, 250		
Minimum Roof Pitch	Building Classes 1-9 - 5°		
	Building Class 10 - 3°		
Patent Application No.	2022903579		

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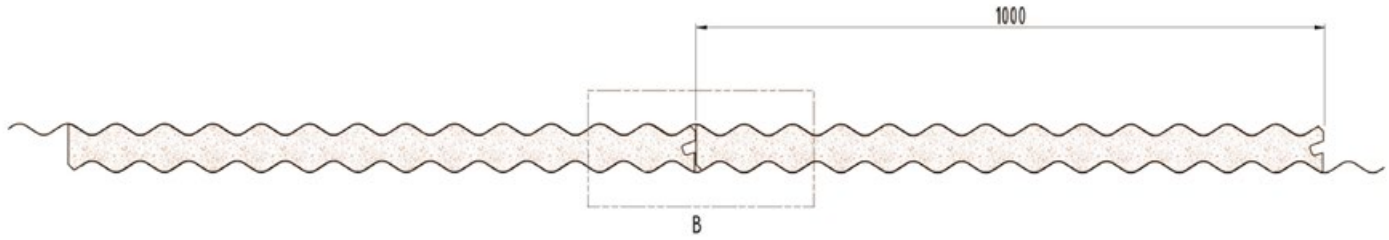
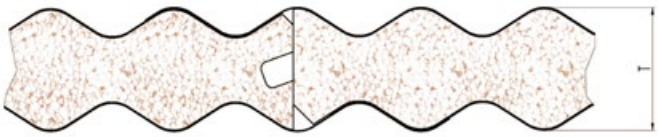
Version Date: 2023-09-05

DeltaCorroCorro-TPC SPECIFICATIONS





Detail B

DeltaCorroCorro-TPC 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 1276-1979 and AS/NZS ISO 717.1:2004 were used to calculate the Sound Transmission Class (STC) and the Weighted Sound Reduction Index (Rw) of **DeltaCorroCorro-TPC**.

DeltaCorroCorro-TPC is classed as traficable when used in a roof application. The following recommendations should be observed at all times.

Recommendations

- 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

Early Fire Hazard Properties AS 1530.3:1999		
AWTA Test Report 18-006076 14-11-2018		
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	2

DeltaCorroCorro-TPC 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

DeltaCorroCorro-TPC 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
175	Tek 14 x 200 Hex Head Screw	T17 14 x 230 Hex Head Screw
200	Tek 14 x 230 Hex Head Screw	T17 14 x 265 Hex Head Screw
225	Tek 14 x 260 Hex Head Screw	T17 14 x 265 Hex Head Screw
250	Tek 14 x 300 Hex Head Screw	T17 14 x 300 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.

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