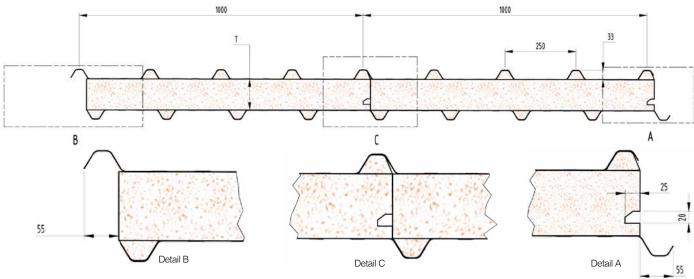
DeltaTrimTrim-TPCSPECIFICATIONS





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

DeltaTrimTrim-TPC is an Insulated Roof Panel System, comprising of two pre-painted, roll-formed steel skins, bonded to a thermosetting phenolic composite insulating 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

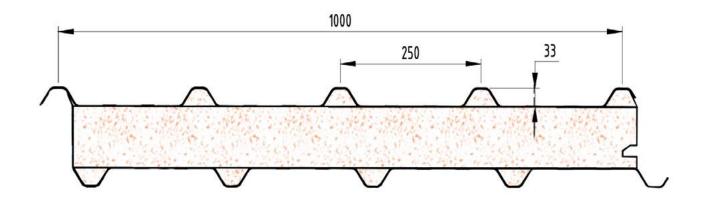
Max. Skin Temperature 78°C Dry Heat Core Material Details Thermosetting Phenolic Composite Thermal Conductivity AS 1366.2/ASTM C 518 0.039 W/mK @23.0°C Adhesive Thermosetting two-part adhesive Core Density 36kgs/m³ +/- 4kgs Panel Weight (kgs/m²) based on 0.6mm steel skins 12.06 100mm Panel 12.43 125mm Panel 12.79 150mm Panel 13.15 175mm Panel 13.86 Thickness Winter (15°C) (23°C) 75mm Panel 2.10 2.05 150mm Panel 2.75 2.65 125mm Panel 3.40 3.30 150mm Panel 4.05 3.90 175mm Panel 4.75 4.60 200mm Panel 5.40 5.20 Length Tolerance (mm) 5mm +/- Sheet Coverage (mm) 1000mm +/- Length (mm) Cut to Length Min of 1800mm +/- Thickness (mm) 75, 100, 125, 150, 175, 200	Steel Skin Details	Bottom Skin	0.42mm / G550 AZ150	
Thermal Conductivity AS 1366.2/ASTM C 518 0.039 W/mK @23.0°C Adhesive Thermosetting two-part adhesive Core Density 36kgs/m³ +/- 4kgs Panel Weight (kgs/m²) based on 0.6mm steel skins 12.06 100mm Panel 12.43 125mm Panel 12.79 150mm Panel 13.15 175mm Panel 13.86 External Roof R Value (m².K/W) AS/NZS 4859 Parts 1 & 2:2018 Winter (15°C) (23°C) 100mm Panel 2.75 2.65 125mm Panel 3.40 3.30 150mm Panel 4.05 3.90 175mm Panel 4.75 4.60 200mm Panel 5.40 5.20 Length Tolerance (mm) 5mm +/- Sheet Coverage (mm) 1000mm +/- Length (mm) Cut to Length Min of 1800mm +/- Thickness (mm) 75, 100, 125, 150, 175, 200 Minimum Roof Pitch 2°	Max. Skin Temperature	78°C Dry Heat		
Adhesive Thermosetting two-part adhesive Core Density 36kgs/m³ +/- 4kgs 75mm Panel 12.06 100mm Panel 12.43 125mm Panel 13.15 175mm Panel 13.51 200mm Panel 13.86 External Roof R Value (m².K/W) AS/NZS 4859 Parts 1 & 2:2018 External Roof R Value (mm) Cut to Length Min of 1800mm +/- Thickness (mm) Thickness (mm) Core Density Thermosetting two-part adhesive 75mm Panel 12.06 100mm Panel 12.43 125mm Panel 13.15 175mm Panel 13.51 200mm Panel 13.86 Thickness Winter (23°C) 75mm Panel 2.10 2.05 100mm Panel 2.75 2.65 125mm Panel 3.40 3.30 150mm Panel 4.05 3.90 175mm Panel 4.75 4.60 200mm Panel 5.40 5.20 Length Tolerance (mm) Cut to Length Min of 1800mm +/- Thickness (mm) 75, 100, 125, 150, 175, 200 Minimum Roof Pitch	Core Material Details	Thermosetting Ph	nenolic Compo	osite
Core Density 36kgs/m³ +/- 4kgs		0.039 W/mK @23.0°C		
Panel Weight (kgs/m²) 125mm Panel 12.43 125mm Panel 12.79 150mm Panel 13.15 175mm Panel 13.51 200mm Panel 13.86	Adhesive	Thermosetting two-part adhesive		
Thickness Thic	Core Density	36kgs/m³ +/- 4kgs		
Panel Weight (kgs/m²) based on 0.6mm steel skins 150mm Panel 13.15 175mm Panel 13.51 200mm Panel 13.86 Thickness Winter (15°C) (15°C) (23°C) 75mm Panel 2.10 2.05 100mm Panel 2.75 2.65 125mm Panel 3.40 3.30 150mm Panel 4.05 3.90 175mm Panel 4.75 4.60 200mm Panel 5.40 5.20 Length Tolerance (mm) Sheet Coverage (mm) 1000mm +/- Length (mm) Cut to Length Min of 1800mm +/- Thickness (mm) 75, 100, 125, 150, 175, 200 Minimum Roof Pitch		75mm Panel	12.06	
150mm Panel 13.15 175mm Panel 13.51 200mm Panel 13.86 Thickness Winter (15°C) (23°C) 75mm Panel 2.10 2.05 100mm Panel 2.75 2.65 125mm Panel 3.40 3.30 125mm Panel 4.05 3.90 175mm Panel 4.75 4.60 200mm Panel 5.40 5.20 Length Tolerance (mm) 5mm +/- Length (mm) Cut to Length Min of 1800mm +/- Thickness (mm) 75, 100, 125, 150, 175, 200 Minimum Roof Pitch 2°		100mm Panel	12.43	
150mm Panel 13.15 175mm Panel 13.51 200mm Panel 13.86 Thickness Winter (15°C) (23°C) 75mm Panel 2.10 2.05 100mm Panel 2.75 2.65 100mm Panel 3.40 3.30 125mm Panel 3.40 3.30 150mm Panel 4.05 3.90 175mm Panel 4.75 4.60 200mm Panel 5.40 5.20 Length Tolerance (mm) 5mm +/- Sheet Coverage (mm) 1000mm +/- Length (mm) Cut to Length Min of 1800mm +/- Thickness (mm) 75, 100, 125, 150, 175, 200 Minimum Roof Pitch 2°		125mm Panel	12.79	
200mm Panel 13.86		150mm Panel	13.15	
Thickness Winter (15°C) (23°C) 75mm Panel 2.10 2.05 100mm Panel 2.75 2.65 125mm Panel 3.40 3.30 150mm Panel 4.05 3.90 175mm Panel 4.75 4.60 200mm Panel 5.40 5.20 Length Tolerance (mm) 5mm +/- Sheet Coverage (mm) 1000mm +/- Length (mm) Cut to Length Min of 1800mm +/- Thickness (mm) 75, 100, 125, 150, 175, 200 Minimum Roof Pitch 2°		175mm Panel	13.51	
Thickness		200mm Panel	13.86	
100mm Panel 2.75 2.65 125mm Panel 3.40 3.30 125mm Panel 4.05 3.90 175mm Panel 4.75 4.60 200mm Panel 5.40 5.20 125mm Panel 5.40		Thickness		
R Value (m².K/W) AS/NZS 4859 Parts 1 & 2:2018 125mm Panel 3.40 3.30 150mm Panel 4.05 3.90 175mm Panel 4.75 4.60 200mm Panel 5.40 5.20 Length Tolerance (mm) Sheet Coverage (mm) Length (mm) Cut to Length Min of 1800mm +/- Thickness (mm) 75, 100, 125, 150, 175, 200 Minimum Roof Pitch 2:75 2:05 2:05 2:05 2:05 2:05 2:05 2:05 2:05		75mm Panel	2.10	2.05
AS/NZS 4859 Parts 1 & 125mm Panel 3.40 3.30 150mm Panel 4.05 3.90 175mm Panel 4.75 4.60 200mm Panel 5.40 5.20 Length Tolerance (mm) 5mm +/- Sheet Coverage (mm) 1000mm +/- Length (mm) Cut to Length Min of 1800mm +/- Thickness (mm) 75, 100, 125, 150, 175, 200 Minimum Roof Pitch 2°		100mm Panel	2.75	2.65
150Him Pariel 4.05 3.90 175mm Panel 4.75 4.60 200mm Panel 5.40 5.20	AS/NZS 4859 Parts 1 &	125mm Panel	3.40	3.30
200mm Panel 5.40 5.20 Length Tolerance (mm) 5mm +/- Sheet Coverage (mm) 1000mm +/- Length (mm) Cut to Length Min of 1800mm +/- Thickness (mm) 75, 100, 125, 150, 175, 200 Minimum Roof Pitch 2°	2:2018	150mm Panel	4.05	3.90
Length Tolerance (mm) 5mm +/- Sheet Coverage (mm) 1000mm +/- Length (mm) Cut to Length Min of 1800mm +/- Thickness (mm) 75, 100, 125, 150, 175, 200 Minimum Roof Pitch 2°				
Sheet Coverage (mm) 1000mm +/- Length (mm) Cut to Length Min of 1800mm +/- Thickness (mm) 75, 100, 125, 150, 175, 200 Minimum Roof Pitch 2°		200mm Panel	5.40	5.20
Length (mm) Cut to Length Min of 1800mm +/- Thickness (mm) 75, 100, 125, 150, 175, 200 Minimum Roof Pitch 2°	Length Tolerance (mm)	5mm +/-		
Thickness (mm) 75, 100, 125, 150, 175, 200 Minimum Roof Pitch 2°	Sheet Coverage (mm)	1000mm +/-		
Minimum Roof Pitch 2°	Length (mm)	Cut to Length Min of 1800mm +/-		
	Thickness (mm)	75, 100, 125, 150, 175, 200		
Potent Application No. ALIGNOGOGGA	Minimum Roof Pitch	2º		
Patent Application No. AU2023266264	Patent Application No.			

Top Skin

0.42mm / G550 AZ150

DeltaTrimTrim-TPC **SPECIFICATIONS**





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	1	

DeltaTrim	Trim_TP(C Acone	tic Values

	•		
		75mm	150mm
	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
Frequency	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

Acoustic Performance

DeltaTrimTrim-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/NZS ISO 717.1:2024 were used to calculate the Sound Transmission Class (STC) and the Weighted Sound Reduction Index Rw = 25 dB.

Trafficable Status

DeltaTrimTrim-TPC 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

DeltaTrimTrim-TPC Fixing Details

Crest fixing only. One fixing every second crest			
Panel Thickness (mm)	Fixing into Steel	Fixing into Timber	
75	Tek 14 x 200 Hex Head Screw	T17 14 x 200 Hex Head Screw	
100	Tek 14 x 230 Hex Head Screw	T17 14 x 230 Hex Head Screw	
125	Tek 14 x 230 Hex Head Screw	T17 14 x 230 Hex Head Screw	
150	Tek 14 x 260 Hex Head Screw	T17 14 x 265 Hex Head Screw	
175	Tek 14 x 300 Hex Head Screw	T17 14 x 300 Hex Head Screw	
200	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.



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.







