

* Conduit receiver track optional addition

DeltaTrim-PIR is a Factory Mutual Approved Insulated Roof Panel System, comprising of two pre-painted, roll-formed steel skins, with a polyisocyanurate core.

CodeMark Australia Certificate CM40309 certifies that DeltaTrim-PIR complies with the stated BCA2019 performance requirements. Please refer to the certificate as displayed on our website for the exact details of the compliance.

The top profile offers striking looks with all of the benefits of modern insulated panel technologies while the bottom skin has a roll-formed tongue and groove joining edge.

Recommendations

- Patios
- Pergolas
- Carports
- Portable Buildings
- Home Extensions
- Commercial Buildings
- Residential Buildings
- Wineries
- Spray Booths

Profiles Available (Underside Skin)

- Smooth & Elegance

Exposure to the External Surface - AS 3959:2018

BRANZ Fire Test Certificate 805 - 24-10-2018 - BAL40

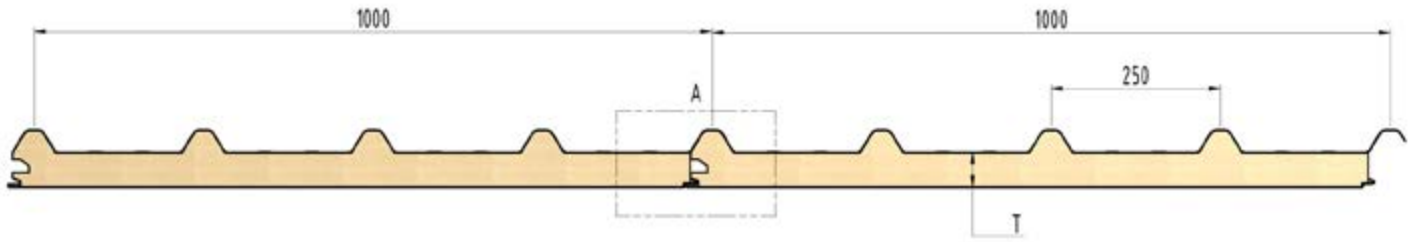
Early Fire Hazard Properties AS 1530.3:1999

AWTA Test Report 18-006077 15-11-2018

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	3

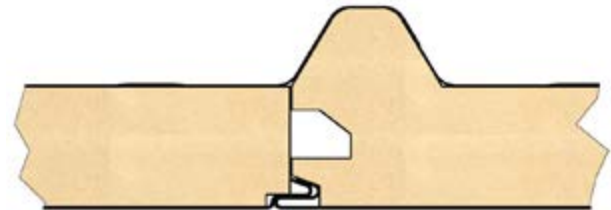
Steel Skin Details	Top Skin	0.42mm / G550 AZ150
	Bottom Skin	0.4mm-0.6mm / G300 Z275
Max. Skin Temperature	78°C Dry Heat	
Core Material Details	Polyisocyanurate	
Thermal Conductivity AS 1366.2/ASTM C 518	0.0232 W/mK at 23°C	Test Report DI10856-001-01
Core Density	38-42kg/m ³	
Weight (kg/m²)	50mm Panel	12.58
	75mm Panel	13.88
	100mm Panel	15.17
	125mm Panel	16.17
	150mm Panel	18.23
	175mm Panel	19.23
R Value @23.0°C	200mm Panel	21.29
	50mm Panel	2.16
	75mm Panel	3.23
	100mm Panel	4.31
	125mm Panel	5.39
	150mm Panel	6.47
Factory Mutual	Approved	
	Certificate of Conformity CodeMark Australia Certificate - CM40309	
	Sheet Coverage 1000mm	
	Length (mm) Cut to Length Min of 1800mm	
Length Tolerance (mm) 5mm+/-		
Thickness (mm) 50, 75, 100, 125, 150, 175, 200		
Minimum Roof Pitch 2°		
Flatness Standards	0.40mm	Surface deformations can be apparent to the naked eye when observed in certain lighting conditions
	0.60mm	

Version Date: 27.07.2021



DeltaTrim-PIR Single Span Non-Cyclonic Span Tables

Wind Category	Panel Thickness	STYLE 1	STYLE 2	STYLE 3	STYLE 4	Maximum Overhang
		3 or more sides open	2 sides open	1 side open	Fully enclosed	
N1/N2 (W28 / W33)	50mm	5400	5000	4500	4300	900
	75mm	6500	5500	5000	4700	900
	100mm	7200	6200	5700	5500	1000
	125mm	7800	6800	6400	6800	1200
	150mm	8200	7400	7000	6800	1200
	175mm	8600	8000	7500	7000	1200
N3 (W41)	50mm	4800	3800	3300	3000	900
	75mm	5500	4300	3900	3700	900
	100mm	6200	5000	4500	4300	1000
	125mm	6800	5500	5000	5000	1200
	150mm	7400	6000	5500	5100	1200
	175mm	8000	7500	6000	5900	1200
N4 (W50)	50mm	4000	3300	3000	3000	600
	75mm	4600	3600	3400	3300	600
	100mm	5300	4100	3800	3500	800
	125mm	6000	4500	4200	4000	900
	150mm	6600	5200	4800	4600	900
	175mm	7000	5800	5200	5000	900



Detail A

DeltaTrim-PIR 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".

DeltaTrim-PIR Acoustic Values

Frequency	STC	50mm	125mm
		RW	24.00
		25.00	24.00

DeltaTrim-PIR Fixing Details

Crest fixing only. One fixing every second crest

Panel Thickness (mm)	Fixing into Steel	Fixing into Timber
50	Tek 14 x 135 Hex Head Screw	T17 14 x 125 Hex Head Screw
75	Tek 14 x 150 Hex Head Screw	T17 14 x 150 Hex Head Screw
100	Tek 14 x 175 Hex Head Screw	T17 14 x 175 Hex Head Screw
125	Tek 14 x 200 Hex Head Screw	T17 14 x 200 Hex Head Screw
150	Tek 14 x 230 Hex Head Screw	T17 14 x 230 Hex Head Screw
175	Tek 14 x 260 Hex Head Screw	T17 14 x 265 Hex Head Screw
200	Tek 14 x 260 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.

To comply with Delta Panels Factory Mutual Certification, Fixings and Installation must conform with the conditions as outlined in the Factory Mutual approval displayed on our web page.

DeltaTrim-PIR Multi Span Non-Cyclonic Span Tables

Wind Category	Panel Thickness	STYLE 1	STYLE 2	STYLE 3	STYLE 4	Maximum Overhang
		3 or more sides open	2 sides open	1 side open	Fully enclosed	
N1/N2 (W28 / W33)	50mm	5900	5500	4950	4730	900
	75mm	7000	6000	5500	5170	900
	100mm	7700	6700	6200	6000	1000
	125mm	8300	7300	6900	7300	1200
	150mm	8700	7900	7500	7300	1200
	175mm	9100	8500	8000	7500	1200
N3 (W41)	50mm	5280	4180	3630	3300	900
	75mm	6000	4730	4290	4070	900
	100mm	6700	5500	4950	4730	1000
	125mm	7300	6000	5500	5500	1200
	150mm	7900	6500	6000	5600	1200
	175mm	8500	8000	6500	6400	1200
N4 (W50)	50mm	4400	3630	3300	3300	600
	75mm	5060	3960	3740	3630	600
	100mm	5800	4510	4180	3850	800
	125mm	6500	4950	4620	4400	900
	150mm	7100	5700	5280	5060	900
	175mm	7500	6300	5700	5500	900