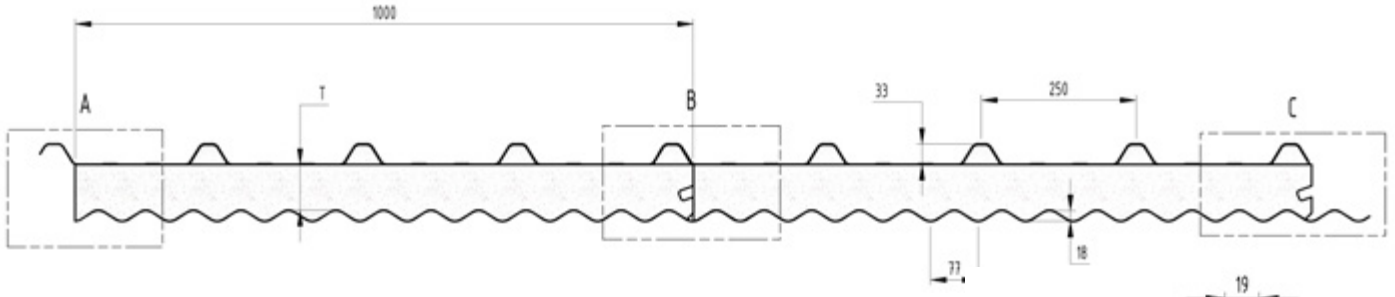
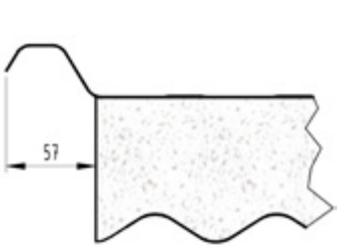
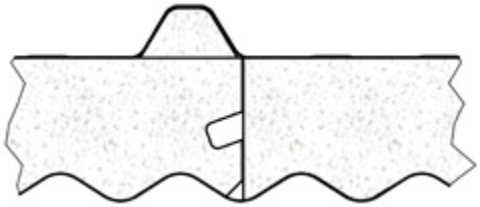
DeltaTrimCorro-EPS-FR





Detail A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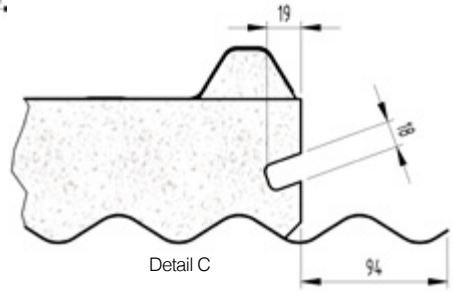

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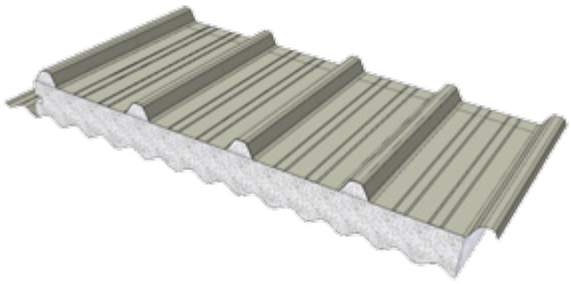

DeltaTrimCorro-EPS-FR is an Insulated Roof Panel System, comprising of two pre-painted, roll-formed steel skins, bonded to a fire retardant grade expanded polystyrene insulating core.

CodeMark Australia Certificate - CM40309 - certifies that DeltaTrim-PIR complies with the stated BCA2019 performance requirements.

Both skins offer classical rollformed 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	Expanded Polystyrene - Fire Retardant Grade	
Thermal Conductivity AS 1366.2/ASTM C 518	0.037 W/mK @22.5°C	
Adhesive	Thermosetting two-part adhesive	
Core Density	13.5kg/m³	
Weight (kg/m²)	75mm Panel	12.86
	100mm panel	13.25
	125mm Panel	13.77
	150mm Panel	14.04
	175mm Panel	14.69
	200mm Panel	13.29
R Value @ 8°C m2 K/W	75mm Panel	1.61
	100mm panel	2.26
	125mm Panel	2.66
	150mm Panel	3.56
	175mm Panel	4.10
	200mm Panel	5.40
Certificate of Conformity	CertMark International Certificate - CM40309	
Sheet Coverage	1000mm	
Length (mm)	Cut to Length Min of 1800mm	
Length Tolerance (mm)	5mm+/-	
Thickness (mm)	75, 100, 125, 150, 175, 200	
Minimum Roof Pitch	2° - Trim/Corro 3° - Corro/Trim	

Version Date: 17.02.2020

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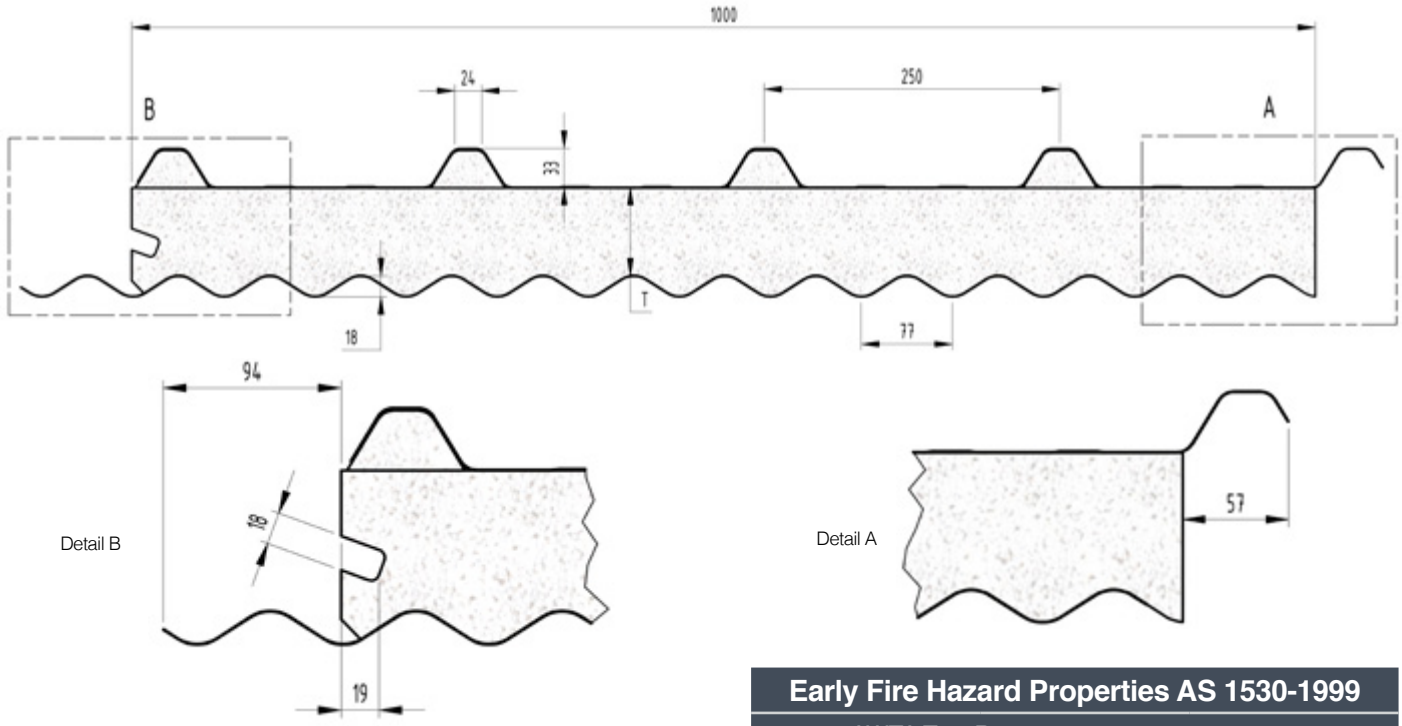
DeltaTrimCorro-EPS-FR



DeltaTrimCorro-EPS-FR 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 **DeltaTrimCorro-EPS-FR**.

DeltaTrimCorro-EPS-FR 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

DeltaTrimCorro-EPS-FR Fixing Details Crest fixing only. One fixing every second crest		
Panel Thickness (mm)	**Fixing into Steel**	**Fixing into Timber**
75	Tek 14 x 150 Hex Head Screw	T17 14 x 150 Hex Head Screw
100	Tek 14 x 200 Hex Head Screw	T17 14 x 200 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.

Early Fire Hazard Properties AS 1530-1999 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

DeltaTrimCorro-EPS-FR 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

Version Date: 17.02.2020

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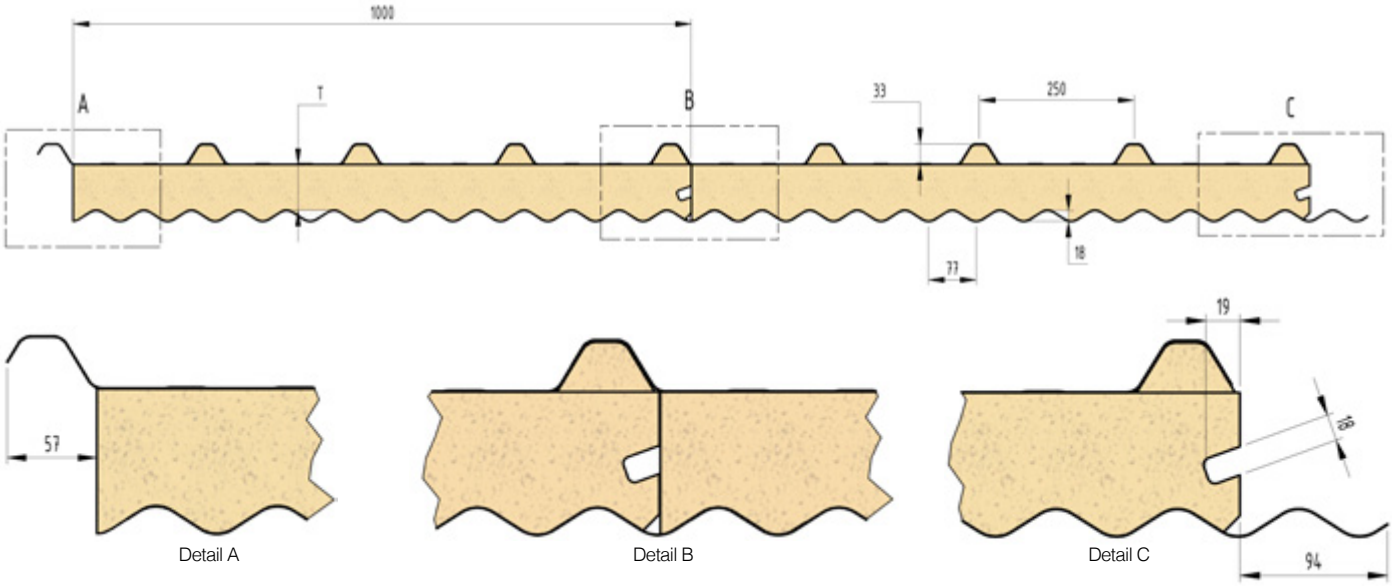
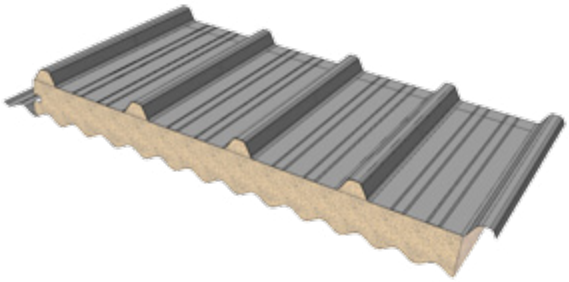
DeltaTrimCorro-PIR





DeltaTrimCorro-PIR is an 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.

Both the top and bottom profiles offer striking looks with all of the benefits of modern Insulated Panel technologies.

Recommendations

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

Early Fire Hazard Properties AS 1530-1999

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	0.42mm / G550 AZ150
Max. Skin Temperature	78°C Dry Heat	
Core Material Details	Polyisocyanurate	
Thermal Conductivity AS 1366.2/ASTM C 518	0.232 W/mK at 23°C	Test Report DI10856-001-01
Core Density	38-42 kg/m^3	
Weight (kg/m^2)	75mm panel	13.88
	100mm Panel	15.17
	125mm Panel	16.17
	150mm Panel	16.94
	175mm Panel	18.46
	200mm Panel	21.29
R Value @ 22.5°C	75mm panel	3.23
	100mm Panel	4.31
	125mm Panel	5.39
	150mm Panel	6.03
	175mm Panel	7.54
	200mm Panel	8.62
Certificate of Conformity	CertMark International Certificate - CM40309	
Sheet Coverage	1000mm	
Length (mm)	Cut to Length Min of 1800mm	
Length Tolerance (mm)	5mm+/-	
Thickness (mm)	75, 100, 125, 150, 175, 200, 225, 250	
Minimum Roof Pitch	3°	

Version Date: 05.01.2020

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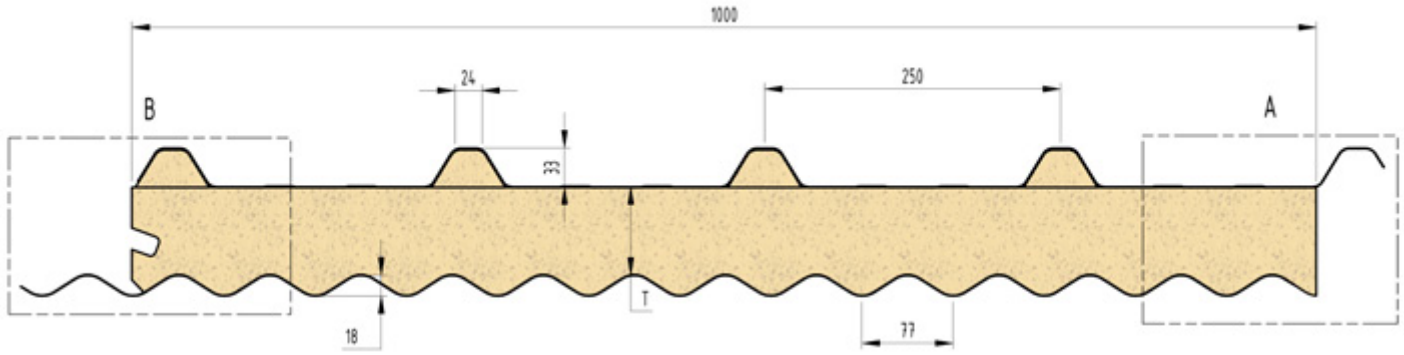
DeltaTrimCorro-PIR

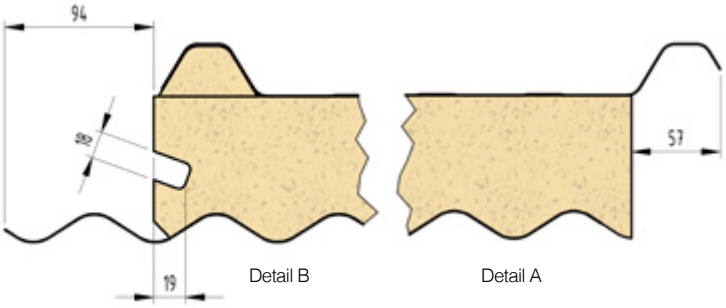


DeltaTrimCorro-PIR Single Span Non-Cyclonic Span Tables

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	Each end
N1/N2 (W28 / W33)	75mm	6700	5700	5200	5300	900
	100mm	7400	6300	5900	6000	1000
	125mm	8000	6700	6200	6300	1200
	150mm	8500	7000	6500	6500	1200
N3 (W41)	75mm	5700	4500	4100	4200	900
	100mm	6200	4900	4500	4600	1000
	125mm	6600	5400	5000	5100	1200
	150mm	6900	5500	5100	5200	1200
N4 (W50)	75mm	4700	3700	3200	3300	600
	100mm	5100	4300	3600	3700	800
	125mm	5400	4700	4200	4300	900
	150mm	5600	4900	4300	4400	900

DeltaTrimCorro-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	Each end
N1/N2 (W28 / W33)	75mm	7200	6200	5700	5800	900
	100mm	7900	6800	6400	6500	1000
	125mm	8500	7200	6700	6800	1200
	150mm	9000	7500	7000	7000	1200
N3 (W41)	75mm	6200	4950	4510	4620	900
	100mm	6700	5390	4950	5060	1000
	125mm	7100	5900	5500	5600	1200
	150mm	7400	6000	5600	5700	1200
N4 (W50)	75mm	5170	4070	3520	3630	600
	100mm	5600	4730	3960	4070	800
	125mm	5900	5170	4620	4730	900
	150mm	6100	5390	4730	4840	900



DeltaTrimCorro-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”.

DeltaTrimCorro-PIR Acoustic Values

		50mm	125mm
Frequency	STC	24.00	23.00
	RW	25.00	24.00

DeltaTrimCorro-PIR Fixing Details

Crest fixing only. One fixing every second crest

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

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