

**DeltaTrimTrim-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. Both skins offer classical rollformed lines with all of the benefits of modern Insulated Panel technologies.

### CodeMark

CodeMark Australia Certificate CM40309 certifies that DeltaTrimTrim-EPS-FR complies with the stated NCC2019 performance requirements. Please refer to the certificate as displayed on our website for the exact details of the compliance.



### Recommendations

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

### Colour Range - Warranty

Expanded Polystyrene Fire-Retardant Grade (EPS-FR) is a thermoplastic that when exposed to high levels of sustained heat is subject to changes in its structural properties. On extremely hot days with no cooling wind, dark colours have been recorded as reaching extreme temperatures. The manufacturer of the steel recommends the following colours, subject to conditions of use, will maintain a temperature under 78.0°C dry heat (see clause 9, sub-clause j of our product Warranty). Please refer to Clause 12 of the Warranty – Roof Products for full details.

- Off White / Surfmist ®
- Gull Grey / Shale Grey ™
- Merino / Paperbark ®
- Mist Green / Paperbark ®
- Smooth Cream / Classic Cream ™
- Hamptons White
- Zinc
- Birch / Dune ®
- Armour Grey / Windspray

To maintain Warranty cover with dark colours it is therefore recommended that a Thermosetting Phenolic Composite (TPC) or Mineral Wool (MW) core be used for all colours not listed above.

® Colour names are registered trademarks of Bluescope Steel Limited  
 ™ Colour names are trademarks of Bluescope Steel Limited



Please refer to the web page for the available colour range, paint finishes and relevant warranty conditions.

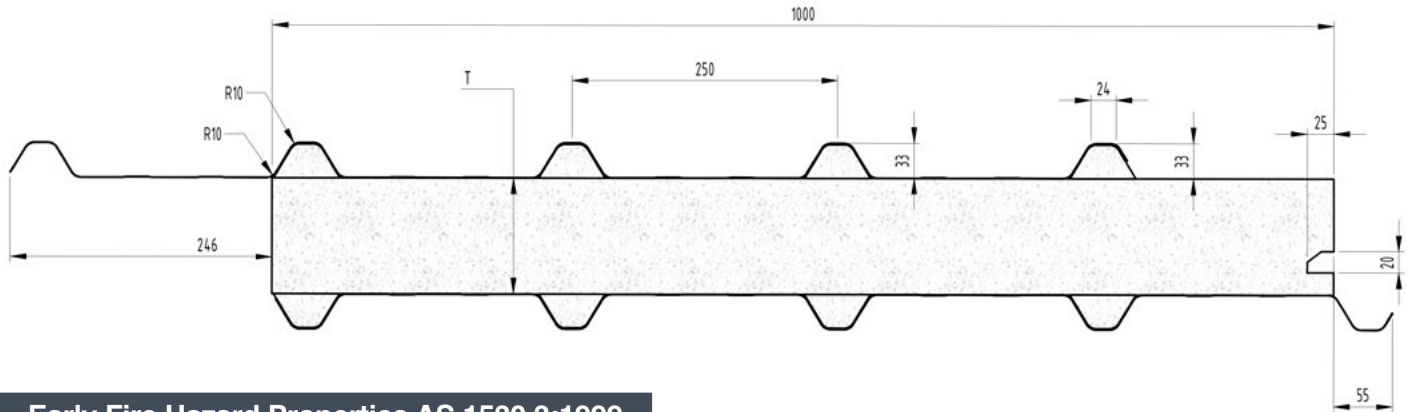
Delta Panels Pty Ltd - ABN: 11 147 861 292

P: +61 07 3271 2170  
 E: info@deltapanel.com  
 W: www.deltapanel.com

Head Office: 731 Boundary Road, Richlands, Qld 4077  
 Sydney Depot: 11 The Northern Road, Narellan, NSW. 2567

Version Date: 2023-10-30

<b>Steel Skin Details</b>	Top Skin	0.42mm / G550 AZ150
	Bottom Skin	0.42mm / G550 AZ150
<b>Max. Skin Temperature</b>	78°C Dry Heat	
<b>Core Material Details</b>	Expanded Polystyrene - Fire Retardant Grade	
<b>Thermal Conductivity AS 1366.2/ASTM C 518</b>	Average 0.0428 W/mK @23°C	
<b>Adhesive</b>	Thermosetting two-part adhesive	
<b>Core Density</b>	13.5kg/m <sup>3</sup>	
<b>Weight (kg/m<sup>2</sup>)</b>	75mm Panel	10.94
	100mm Panel	11.17
	125mm Panel	11.80
	150mm Panel	12.23
	175mm Panel	12.77
	200mm Panel	13.31
<b>R Value @ 8°C m2 K/W</b>	75mm Panel	2.0
	100mm Panel	2.7
	125mm Panel	3.4
	150mm Panel	4.1
	175mm Panel	4.7
	200mm Panel	5.4
<b>Certificate of Conformity</b>	CodeMark Australia Certificate - CM40309	
<b>Sheet Coverage</b>	1000mm	
<b>Length (mm)</b>	Cut to Length Min of 1800mm	
<b>Length Tolerance (mm)</b>	5mm+/-	
<b>Thickness (mm)</b>	75, 100, 125, 150, 175, 200	
<b>Minimum Roof Pitch</b>	2°	



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

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

DeltaTrimTrim-EPS-FR Acoustic Values				
Frequency		50mm	125mm	
		100	15.41	15.00
		200	18.81	17.70
		400	22.31	19.69
		800	23.69	17.31
		1000	25.61	18.29
		1250	21.01	30.10
		2000	34.79	37.30
		2500	41.70	37.09
		5000	44.61	39.90
		<b>STC</b>	24.00	23.00
		<b>RW</b>	25.00	24.00

DeltaTrimTrim-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 DeltaTrimTrim-EPS-FR.

DeltaTrimTrim-EPS-FR is classed as trafficable 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

DeltaTrimTrim-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 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.

