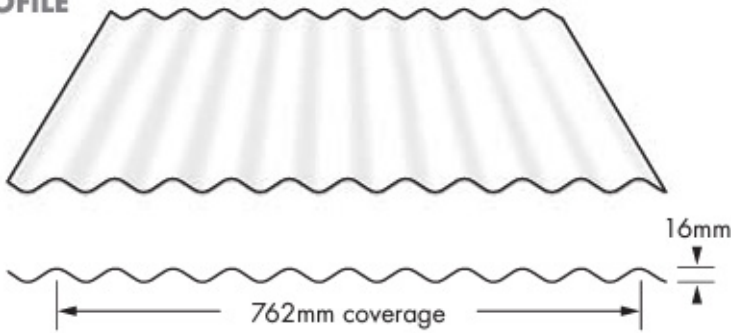


PROFILE

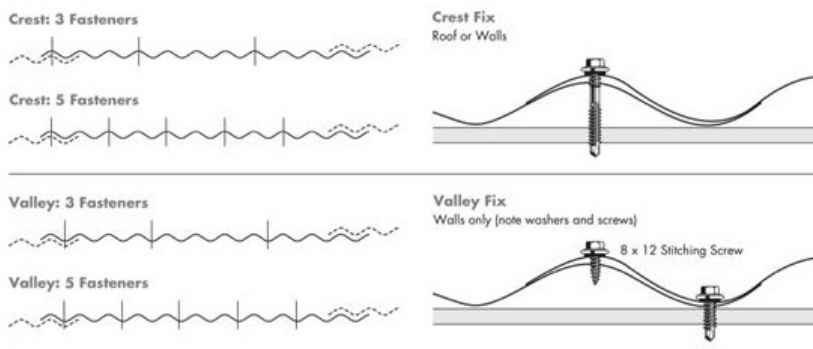


BMT	Mass kg/m ²	Profile Cover	Rib Depth	Minimum Roof Pitch	Roof Internal	Roof End	Wall Internal
0.42mm	4.3	762mm	16mm	5° (1 in 12)	1200	900	1800
0.48mm	4.9				1600	1200	2400

Key Features:

- ✓ Manufactured from 0.42mm or 0.48mm G550 Colorbond® or Zinalume® steel
- ✓ Versatility - suitable for commercial / industrial and residential roofing applications
- ✓ Can be used for Roof & Wall cladding
- ✓ 22 Colorbond® colour options available or a metal-coloured Zinalume® finish
- ✓ Special Order: 6 premium Colorbond® Matt colours, selected colours in Colorbond® Ultra for high corrosion environments and Galvanised steel

Fixing Details



Length:

- Corrugated roofing is custom cut to your exact length
- The maximum length for pierce fixed roofing is 23.7m before an expansion joint is required. This length is recommended for light colours only
- Dark colours should not exceed 16.0m because of increased thermal expansion

Cutting:

- It is recommended to cut sheets with aviation snips or a nibbler. Don't use an abrasive disc cutter as swarf will increase chances for corrosion

Recommended Fasteners: Roofing



13-11x50 Roofing Tek Screw/Zip (Colorbond® colour-coded screws are available)

Walling



13-11x25 Wall Cladding Tek Screw (Colorbond® colour-coded screws are available)

Care instructions:

- Sheets should be kept dry and clear of the ground
- When handling sheets use dry, clean gloves and don't drag sheets over each other

0.42 BMT Corrugated Roof & Wall

Limit State Wind Pressure Capacities (kpa)

3 Screw intermediate 5 Screw Gutter & Apex Line				Walls Only				
SPAN		Span mm						
TYPE		700	900	1200	1500	1800	2100	2400
SINGLE	Serviceability	See 5 Screw for Single Span						
	Strength	See 5 Screw for Single Span						
END	Serviceability		1.40	1.16	1.00	0.90	0.80	
	Strength		7.50	5.80	4.70	3.80	3.20	*
INTERNAL	Serviceability			1.45	1.21	1.00	0.90	
	Strength			7.40	6.00	4.80	3.80	*

Compliance

Wind pressure capacity tables have been determined by full scale testing in accordance with AS 1562.1 and AS 4040.1&2 (1992).

Non-Cyclonic areas.

0.42 BMT Corrugated Roof & Wall

Limit State Wind Pressure Capacities (kpa)

5 Screw intermediate 5 Screw Gutter & Apex Line				Walls Only				
SPAN		Span mm						
TYPE		700	900	1200	1500	1800	2100	2400
SINGLE	Serviceability	4.60	3.18	1.75	0.90	0.35		
	Strength	12.00	12.00	10.00	8.00	6.00		*
END	Serviceability		4.25	2.75	1.60	0.80	0.50	
	Strength		12.00	9.50	7.40	5.75	4.45	*
INTERNAL	Serviceability			3.25	2.20	1.48	0.90	
	Strength			12.00	10.70	8.50	6.60	*

The pressure considered is based on buildings up to 10m high in Region B, Terrain Category 3, $M_3 = 0.85$, $M_1 = 1.0$, $M_2 = 1.0$ with the following assumptions made:

Roofs

$C_{pi} = +0.20$, $C_{pe} = -0.90$, $K_1 = 2.0$ for single and end spans, $K_1 = 1.5$ for internal spans.

Walls

$C_{pi} = +0.20$, $C_{pe} = -0.65$, $K_1 = 2.0$ for single spans, $K_1 = 1.5$ for internal spans.

0.48 BMT Corrugated Roof & Wall

Limit State Wind Pressure Capacities (kpa)

3 Screw intermediate 5 Screw Gutter & Apex Line				Walls Only						
SPAN		Span mm								
TYPE		800	900	1200	1300	1500	1600	1700	1800	2100
SINGLE	Serviceability	See 5 Screw for Single Span								
	Strength	See 5 Screw for Single Span								
END	Serviceability		1.65	1.46	1.42	1.30	1.25	1.20	1.15	
	Strength		9.30	7.20	6.10	4.90	4.55	4.35	4.00	
INTERNAL	Serviceability					1.61	1.50	1.42	1.20	1.05
	Strength					7.20	6.45	6.00	5.50	4.50

Note

Serviceability tests are carried out to maximum allowed deflection.

Pitch deflection on the 3 screw is reached before max span deflection is reached.

Maximum pitch deflection is not reached with 5 screw fixings.

0.48 BMT Corrugated Roof & Wall

Limit State Wind Pressure Capacities (kpa)

5 Screw intermediate 5 Screw Gutter & Apex Line				Walls Only						
SPAN		Span mm								
TYPE		800	900	1200	1300	1500	1600	1700	1800	2100
SINGLE	Serviceability	4.80	3.74	2.23	1.90	1.30	1.00	0.80	0.55	
	Strength	12.00	12.00	10.75	10.25	8.95	8.30	7.60	7.00	
END	Serviceability		4.70	2.85	2.50	1.90	1.70	1.55	1.40	
	Strength		12.00	12.00	11.60	10.30	9.55	8.60	7.50	
INTERNAL	Serviceability					3.30	2.80	2.50	2.15	1.60
	Strength					12.00	11.65	11.10	10.55	8.00