

# Metlok® 500

With a minimum pitch of 1° and a concealed fixing system, Metlok® is the quintessential industrial metal roofing. Make a building look its best without unsightly fasteners, and a tiny pitch.

Metlok® 500 is custom-length, high tensile steel roofing manufactured from .42mm and .60mm B.M.T. COLORBOND® and ZINCALUME® steel sheet. The hidden fixing system makes it one of the most attractive options to roof, or clad any building. Combined with its tiny minimum roof pitch, Metlok® is the ideal choice for large roof spans.

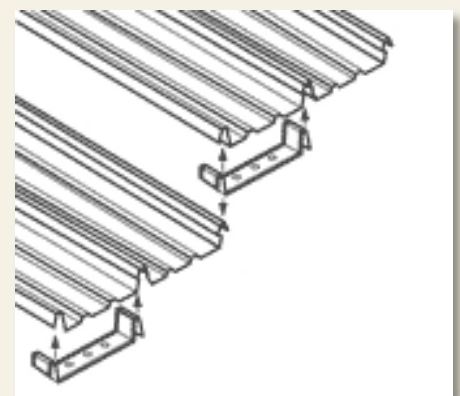
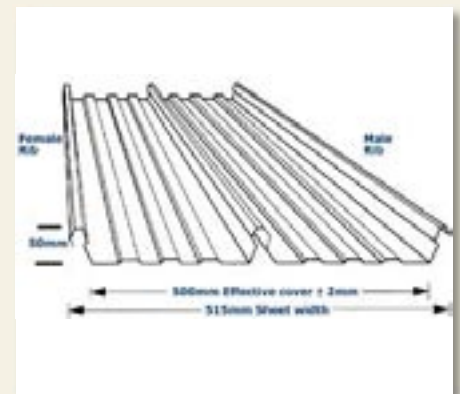
The profile of Metlok® 500 consists of three ribs connected by 2 intermediate pans. The female rib is fitted over the top of the male rib and securely clips into position. Specially designed clips are used to secure the Metlok® sheeting down onto the supports. Each clip has 2 legs. The long and short clips correspond to the centre and female ribs of the Metlok® sheeting. The short rib also clamps the male rib down. The whole deck is progressively clipped down in this manner. To determine the number of clips required - as a general guide; one clip per batton/purlin per sheet plus clips to start and finish laying.

## Minimum Roof Pitch

For roofs with continuous sheets and no end laps the minimum roof pitch is 1° (1 to 60). To prevent ponding from occurring this minimum pitch must be adhered to at all points of the roof. For roofs with end laps the minimum lap is 200mm for pitches between 5° and 15° and 150mm above 15°. For walls allow maximum end laps of 100mm. End laps in roofs of less than 50 should be sealed with a suitable sealant. The sealant should be in two runs; one at the low end of the lap to prevent moisture being drawn in by capillary action. The other should be at the high end of the lap to prevent condensation that may form under the top sheet, from draining down the underside and entering the lap. Sheets should be laid in the opposite direction to the prevailing weather.

## Length

We supply Metlok® 500 sheeting up to a maximum length of 35 meters depending on availability of delivery. Lengths to be manufactured by Metroll should be site measurements, not those taken off plans.



**Metroll Newcastle**  
ABN 97 001 446 439  
268 Macquarie Road  
WARNERS BAY NSW 2282  
AUSTRALIA

P: +61 (0)2 4954 5799  
F: +61 (0)2 4954 0891  
[www.metrollnewcastle.com.au](http://www.metrollnewcastle.com.au)  
[enquiries@metrollnewcastle.com.au](mailto:enquiries@metrollnewcastle.com.au)

# Metlok® 500

## Fasteners

### Softwood

T17 No. 10 x 25mmCR, Wafer Head.

### Hardwood

T17 No. 12 x 25mm CR, Wafer Head.

(Alternatively 3.75mm x 40mm Countersunk Head Spiral Shank Gal. Nail)

### Steel Supports up to 5mm thick

"Tek" No. 10 x 16mm Wafer Head.

### Steel Supports Greater Than 5mm Thick

"Type 23" Self Drilling Screws No. 10 x 16mm Wafer Head.

## Support Spacings

For normal applications in non-cyclonic areas, the following general recommendations are given providing correct size and number of fasteners is used.

	ROOF SUPPORTS		
	.42 BMT	.48 BMT	.60 BMT
End Spans	1700mm	2400mm	2700mm
Internal Spans	2100mm	3000mm	3600mm

	WALLING SUPPORTS		
	.42 BMT	.48 BMT	.60 BMT
End Spans	1800mm	2200mm	2500mm
Internal Spans	1800mm	2200mm	3100mm

	ROOF OVERHANGS Where roofs are subject to access		
	.42 BMT	.48 BMT	.60 BMT
Stiffened	600mm	600mm	900mm
Unstiffened	200mm	200mm	300mm

	MASS		
	.42 BMT	.48 BMT	.60 BMT
Per Unit Area	5.13	5.81	7.22kg/m <sup>2</sup>
Per Unit Length	2.56	2.91	3.61kg/m <sup>2</sup>
Yield	195	172	138m <sup>2</sup> tonne

(Based on ZINCALUME® finish)



Metroll Newcastle  
 ABN 97 001 446 439  
 268 Macquarie Road  
 WARNERS BAY NSW 2282  
 AUSTRALIA

P: +61 (0)2 4954 5799  
 F: +61 (0)2 4954 0891  
[www.metrollnewcastle.com.au](http://www.metrollnewcastle.com.au)  
[enquiries@metrollnewcastle.com.au](mailto:enquiries@metrollnewcastle.com.au)