

# Maxirib™

## Design Guide: Ceilings, Walling & Screening



### Versatile and Attractive, Fluted, Low Profile Walling

Stratco Maxirib is ideal for applications such as ceilings, walling, screens, garage doors, fascias and barge boards. As an attractive cladding with a fluted profile, it can be readily used both internally and externally with the exception of roofing. Maxirib is ideally used on flat surfaces but can be spring curved according to Stratco recommendations.

Maxirib is available in a full spectrum of colours or un-painted Zinc/Al. The slightly fluted cladding design ensures strength along the length of the sheet, yet flexibility across the width.

#### Features

- Wide 850mm coverage.
- Low 4mm rib height.
- Long straight lengths enable easy fixing and reduce costs.
- 0.42mm BMT hi-tensile steel combines strength with low weight and ease of cutting with tin snips.
- Maxirib can be custom cut to lengths to suit your needs.
- Its profile design allows for neat, easy packaging.
- Maxirib can be fixed with the flutes running horizontally or vertically.



# Maxirib™

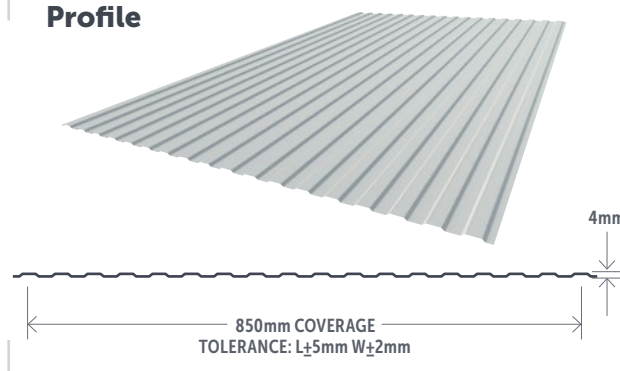
## Spans

Table 1.0 - Maximum Recommended Spans For Walling (mm) Determined By Wind Speeds For Non Cyclonic Areas

| Span Type     | 0.42mm BMT |          |          |
|---------------|------------|----------|----------|
|               | N1 (W28)   | N2 (W33) | N3 (W41) |
| Single Span   | 1200       | 1100     | 900      |
| End Span      | 1350       | 1200     | 1000     |
| Internal Span | 1350       | 1200     | 1000     |
| Overhang      | 150        | 150      | 150      |

Values applicable for use with steel supports of minimum 0.75mm thickness, G550. The spans shown in Table 1.0 are suitable for buildings that are in non-cyclonic conditions and are up to 10m high. If these conditions do not apply, please seek advice from your nearest Stratco outlet.

## Profile



## Material Specifications

| Material Properties             | 0.42mm BMT            |                       |
|---------------------------------|-----------------------|-----------------------|
|                                 | Zinc/Al               | Colour                |
| Total Coated Thickness (TCT) mm | 0.47                  | 0.50                  |
| Mass (kg/linear metre)          | 3.26                  | 3.32                  |
| Mass (kg/square metre)          | 3.84                  | 3.91                  |
| Yield (square metre/tonne)      | 260.7                 | 256.0                 |
| Tensile Strength (MPa)          | 550                   | 550                   |
| Width Coverage (mm)             | 850                   | 850                   |
| Sheet Tolerances (mm)           | ±5 Length<br>±2 Width | ±5 Length<br>±2 Width |

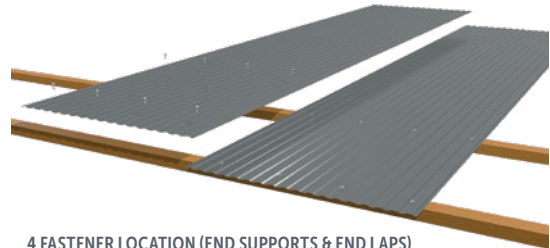
Maxirib has a material designation of AS1397/G550 AZ150 (550MPa minimum yield strength, 150g/m<sup>2</sup> minimum coating mass). Pre-painted steel complies with AS/NZS 2728:1997.

## Fixing Recommendations

### Walling Laying Procedure

» PREVAILING WIND      LAYING DIRECTION «

4 FASTENER LOCATION (INTERNAL SUPPORTS)



4 FASTENER LOCATION (END SUPPORTS & END LAPS)

### Fastener Size Selection

#### WALLING - Pan Fixing

All screws must have a neoprene washer for a weather tight seal

Fixing To Steel



M6 x 25mm  
TS self drilling screw

Fixing To Timber



M6 x 25mm  
TS self drilling screw

### Walling Fastener Positions

VALLEY - FOUR FASTENERS LOCATION



Side lap fixing is recommended at no greater than 300mm centres for external applications. For internal applications where support spacings exceed 1000mm it is recommended that side laps are fastened mid-span. Use either 8x12mm self drill stitching screws (with seal) or 3mm sealed blind rivets.

### Spring Curving

Maxirib may be spring curved to a radius as low as 2000mm for added design flexibility. However, it is recommended the support spacings be reduced to 600mm or lower for spring curved radii of less than 6000mm.



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How To.



**MAINTENANCE** The performance of Maxirib over time depends on its correct application and maintenance. Maintenance should be performed as often as is required to remove any dirt, salt and pollutants. Where used in severely corrosive environments, cleaning should be performed more often. It is important that screws have the same life expectancy as the cladding you have specified. Packs of Maxirib should always be kept dry and stored above ground level while on site. If the sheets have become wet, they should be separated, wiped and placed in the open to dry. Refer to the 'Stratco Selection Use and Maintenance' brochure, for more detailed information about the correct use and maintenance of this product.