

## PRODUCT DESCRIPTION & FEATURES

Covermax® is a box profile roofing sheet available in a variety of colors, suitable for domestic and light industrial or commercial application.

### Features and Benefits:

- Covermax is a trapezoidal profile with box crest and valleys suitable for roofing and wall cladding.
- It is especially targeted at domestic and light Industrial/ Commercial applications where the goal is economy and aesthetics.
- Covermax has 4 troughs and 5 ribs. The valley (trough) is stiffened using two or three 25mm wide ribs.

### PURLIN SPACINGS

Purlin Spacings are dependent on both downward loading and negative suction loading caused by wind. Your engineer should be consulted to calculate your load (kN/m<sup>2</sup>) for your particular application.

STEEL SHEETS SUPPORT SYSTEM			
TOTAL COATED THICKNESS (TCT) mm	MAXIMUM PURLIN SPACING IN METRES (m)		
	SIMPLY SUPPORTED (2 SUPPORTS)	CONTINUOUS SUPPORTS (3 SUPPORTS)	CONTINUOUS-SUPPORTS (>3 SUPPORTS)
<b>ROOFS</b>			
0.25	0.5	0.6	0.7
0.32	0.6	0.8	0.9
0.40	0.8	1.0	1.1
0.50	0.9	1.1	1.2
0.60	1.0	1.3	1.4
<b>WALLS</b>			
0.25	0.7	0.8	0.9
0.32	0.8		1.2
0.40	1.0	1.3	1.4
0.50	1.2	1.5	1.6
0.60	1.3	1.6	1.8

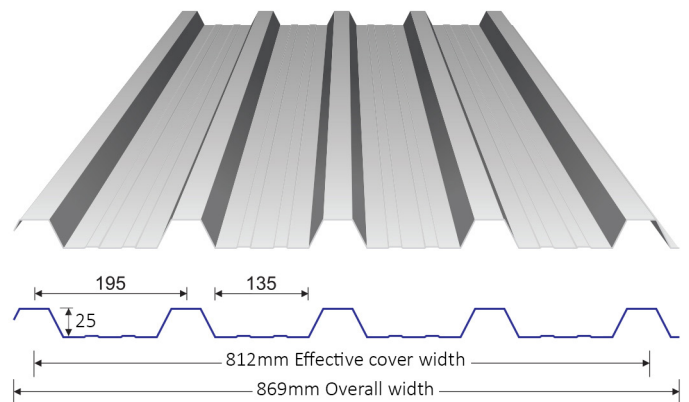
RECOMMENDED END-LAPPING			
	SLOPE/PITCH	ENDLAP MIN. mm	ENDLAP MAX. mm
ROOF	Less 15°	250	300
	Greater than 15°	200	250
WALLS		150	200



PIERCED FIX PROFILES

### Notes:

1. These spacings are indicated as a guide for information purposes only. The user should ensure to have a qualified professional work out the precise spacings specifications based on the design considerations unique to the Project/Site.



### COVERAGE CALCULATOR

To calculate the number of sheets (N) to cover a given area. Required, use the formula:  $N = W/0.812$  where; W is the linear width of the roof in meters and N is the number of sheets.

**Note:**

During installation, clean the roof daily by removing all swarf, pop rivets and unused fasteners or any other debris

### LENGTHS & ROOF PITCH

When using Covermax® sheeting the recommended minimum pitch for roof slopes is excess of 15m is 100 and for slopes less than 15 is 7.50. Covermax sheeting is offered to the mass market in lower gauges of 0.25 & 0.32mm (30 & 28G) and corresponding standard lengths of 2.0, 2.5 & 3.0m. it can also be ordered in special lengths, subject to transport limitations, up to 6.5m (min 0.4mm thickness. Lower thickness up to 6m max lengths.

### TOLERANCES

A length variation range of +/-1.5mm, and width tolerance of +/-1.5mm are permissible.

### FASTENING

Covermax is pierce-fixed to timber or steel supports. This means that fastener screws pass through the sheeting. You can place screws for Covermax through the crest or in the valleys. To maximize water tightness, always place roof screws through the crest. For walling, you may use either crest or valley fixing. Always drive the screws perpendicular to the sheeting, and in the center of the corrugation or rib. Don't place fasteners less than 25mm from the ends of sheets.

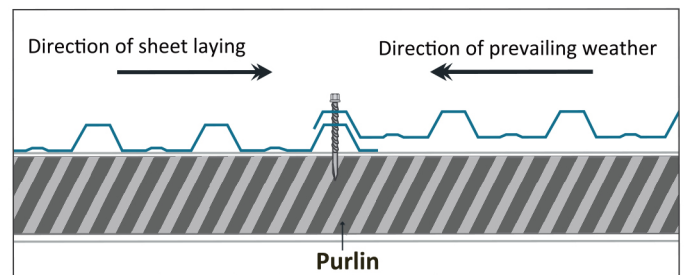
The edge of Covermax with the anti-capillary groove is always the under-lap. It is generally considered good practice to use fasteners alongside-laps however, when cladding is supported

as indicated in purling spacings, side-lap fasteners are not usually needed for strength.

End-laps are not usually necessary because Covermax is available in long lengths. If you want end-laps, seek advice from your nearest ALAF office on the sequence of laying and the amount of overlap. When Covermax is laid on slopes of 7.5 degrees or more, cut back the corner of the undersheet, at the downhill end of the sheet to block capillary action.

### INSTALLATION

The recommended roof fixing method for Covermax profile is as shown in the figure below:



### FIXING PROCEDURE

Lay each run of sheets in turn from side to side before moving onto the next run as depicted below. Similar procedure for wall cladding too.

