

## PRODUCT DESCRIPTION & FEATURES

Maxcover® offers consumers the benefit of a box profile with an effective cover width of 1015mm, offering a more economical sheet for budget sensitive projects. Maxcover is ideal for domestic and light industrial or commercial Roofing and Cladding applications.

### 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)
ROOFS			
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
WALLS			
0.32	0.8	1.1	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

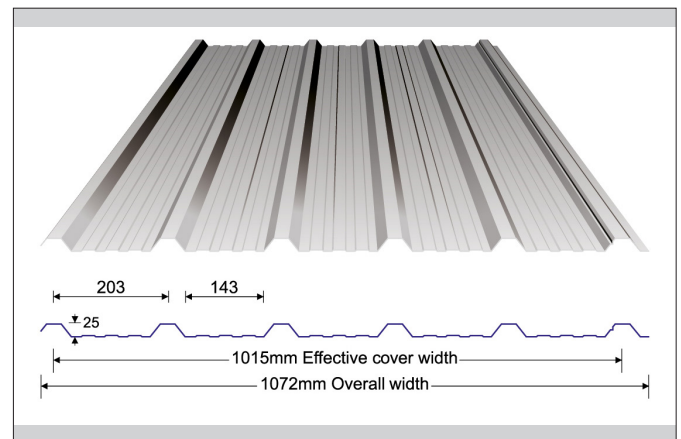
RECOMMENDED END-LAPPING			
	SLOPE/PITCH	ENDLAP MIN. mm	ENDLAP MAX. mm
ROOF	Less 15°	250	300
	Greater than 15°	200	250
WALLS		150	200

### Notes:

- 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.
- It is important to reduce the purlin spacings by 20% when spring curving a roof.



PIERCED FIX PROFILES



### COVERAGE CALCULATOR

To calculate the number of sheets (N) to cover a given area. Required, use the formula:  $N = W / 1.015$  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 **Maxcover**<sup>®</sup> sheeting the recommended minimum pitch for roof slopes is excess of 15m is 100 and for slopes less than 15 is 7.50. Maxcover sheeting is offered to the mass market in lower gauge of 0.32mm (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

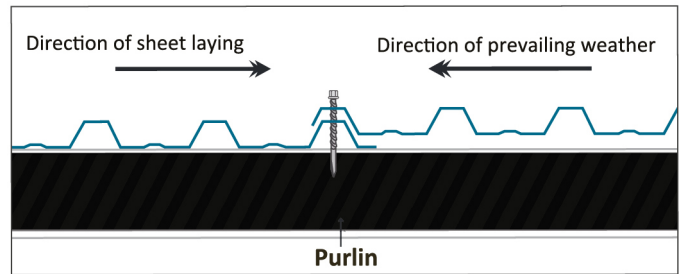
Maxcover is pierce-fixed to timber or steel supports. This means that fastener screws pass through the sheeting. You can place screws for Maxcover through the crest or in the alleys. To maximize water tightness, always place roof screws through the crest. For walling, you may use either crest or valley 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 Maxcover with the anti-capillary groove is always under the lap. It is generally considered good practice to use fasteners alongside-laps however, when cladding is supported as indicated in purlin spacings, side-lap fasteners are not usually needed for strength.

End-laps are not usually necessary because Maxcover 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 Maxcover is laid on slopes of 7.5 degrees or more, cut back the corner of the under-sheet at the downhill end of the sheet to block capillary action.

### INSTALLATION

The recommended roof fixing methods for Maxcover profile is as shown in the figure below:



### FIXING PROCEDURE

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

