# Steeline LOKDEK 680

**CONCEALED FIXED ROOF OR WALL CLADDING**
**ST35**

Colorbond® Zincalume®

Steeline LOKDEK 680 hi-tensile steel cladding material is produced in 2 thicknesses, in long lengths suitable for roof and wall cladding applications. Each sheet has a 680mm cover width, and is designed to lock down over concealed fixing clips. These in turn are fixed to the supporting members. Alternatively it can be screwed through the ribs like other pierce fixed profiles. Manufactured locally by continuously roll-forming prefinished material, LOKDEK 680, is a low cost, high quality product.

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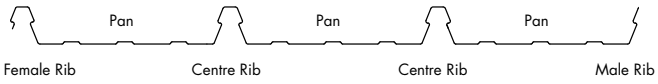
## Installation

### Method

The profile of LOKDEK 680 consists of 4 ribs connected by 3 intermediate pans.




## Preparation

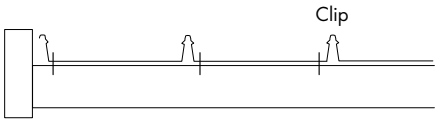
Ensure that the tops of the purlins or battens are all in the one plane by packing or easing between purlin and support. (Not between purlin and clip).

For roof pitches below 15°, turn the pans at the top of the sheets up at 90° using a turn-up tool. This prevents the entry of water which may be driven by wind beneath the flashing.

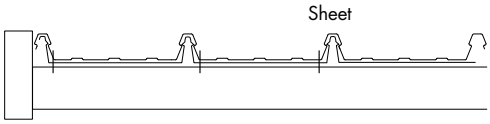
For roof pitches below 15°, turn the pans at the bottom ends of the sheets down at 30° to prevent water running back along the underside of the sheet.

## Sheet Laying Sequence

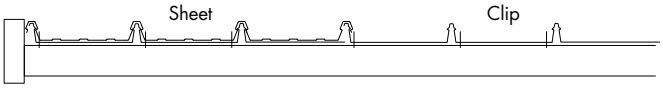
1. Fix the first line of clips, locating so that roof will be square. One clip is fitted to every support using the correct fasteners, with arrows pointing in the direction of laying.



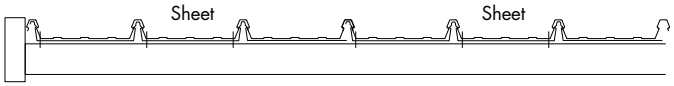

2. Lay the first sheet with the correct overhang each end. The female and centre ribs go onto the clips and must be snapped home by pressing the sheets onto the clips.




3. Fix the second row of clips placing the short leg over the male rib of sheet 1.

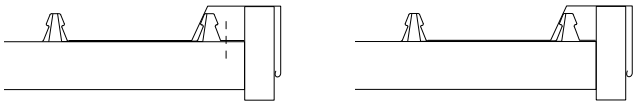



4. Lay sheet 2 with ends in line with sheet 1. The centre ribs go onto the long legs of the clips. The female rib goes onto the male rib of sheet 1 and must be engaged along the full length by walking along and pressing down with the foot until clips home.




5. Repeat steps 3 and 4 for the remaining roof area checking and adjusting for parallelism every 3-4 sheets. 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 LOKDEK sheeting down onto the supports. Each clip has 3 legs, one long and two short which correspond to the centre and female ribs of the LOKDEK sheeting. The short rib also clamps the male rib down. The whole deck is progressively clipped down in this manner.
6. At the end, if the remaining gap is less than half the sheet width, cut the fast line of clips in two and use only the short leg to clamp down the final male rib.

If the gap is larger, use full clips as before and cut the male rib off the last sheet and clip down onto the clips.



## Recommended fasteners

For metal fixing of LOKDEK clips use a 10 x 16 hex head self drilling screw. 3 per clip. For timber fixing of LOKDEK clips use a 12 x 40 T17 hex head self drilling screw. 3 per clip. For pierce fixing of LOKDEK to either timber or metal refer to your local Steeline member.

## Precautions

Wear soft soled shoes which cannot pick up shavings to ensure the protective coating is not damaged. Walk only in the pans of the sheets. Sheets should be laid in the opposite direction to the prevailing weather.

## Coverage

Each sheet of LOKDEK has an effective coverage of 680mm + 2mm.

## Roof Pitch

When the ribs of LOKDEK are snapped together an anti-capillary space is formed, preventing the entry of water. Because of the deep and widely spaced ribs, Steel-rib has very good water run-off capabilities, and can be used down to roof pitches as low as 1° (1 in 60).

**NON CYCLONIC**

| BASE MATERIAL THICKNESS | ROOF SPANS | | | | | WALL SPANS | | | |
|---|---|---|---|---|---|---|---|---|---|
| | SINGLE | END | INTERNAL | OVERHANG UNSTIFFENED | OVERHANG STIFFENED | SINGLE | END | INTERNAL | OVERHANG |
| 0.42 (G550) | 1100 | 1300 | 1400 | 200 | 600 | 2200 | 2200 | 2400 | 300 |
| 0.48 (G550) | 1600 | 1900 | 2200 | 200 | 600 | 2300 | 2700 | 2700 | 400 |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