

# Steeline Steel Panel 850

WALL CEILING &  
SOFFIT CLADDING  
ST33



## Colorbond® Zincolume®

Steel Panel 850 is a modern, stylish, high strength, light weight sheet cladding material. It is an ideal product not only for walls, but also to use on ceiling and soffit linings. Made from high tensile steel, the profile has been engineered to give the highest strength and rigidity possible, whilst using the least amount of material. It is manufactured locally by continuous roll forming of prefinished steel coil, resulting in a low cost, high quality product.

Ph. 1300 STEELINE

[steeline.com.au](http://steeline.com.au)



Service over and above

# Steeline Steel Panel 850

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## Installation

### Principle

The sheets of Steel Panel 850 overlap each other, and are fixed progressively along the building in the opposite direction to the prevailing weather. This gives complete weather protection, and a fast and efficient method of installing the roof. Each sheet consists of an "over" rib and an "under" rib and when put together they form an effective seal, preventing water entry

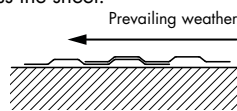
### Preparation

The faces of the supporting members must be true and all in the one plane for a quality job.

Steel Panel can be bent along the sheet at minimum bend radius of 3mm, however it is not recommended to bend it across the sheet.

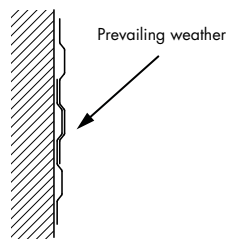
### Laying (Ribs Vertical)

Start at the end of the wall which is away from the prevailing weather. The over-edge should be as shown:



### Laying (Ribs Horizontal)

The edge laps must face downwards with the over edge (double side rib) on top as shown. If end laps are necessary on long runs, allow 75mm per lap. End laps should be sealed with suitable sealant.



## Fixing

### Recommended fasteners

Steel framing (up to 5mm thick): No 10x16 900 wafer head self drilling tek screws or blind rivets.

Timber Framing: No 8x25 pan head type 17 self drilling wood screw with a pan head.

### Side lap fasteners

Use No 8x12 hex head type S self drilling screw with neo. Washer or blind rivets.

When using the overlapping rib jointing method, these are added at the midspans of the sheets for support spacings over 800mm. When using the overlapping edge method, side lap fasteners are required at 300mm centres maximum.

### Location of fasteners

At the ends of sheets and at end laps, fasteners are to be located at every second valley. At intermediate supports a fastener is to be located either at the side lap or adjacent to it, with 4 fasteners used equal distant across the sheet. Note: In some applications e.g. Interior applications the number of fasteners may be reduced by up to 50%.

### Precautions

When unloading bundles of sheeting with a crane always use a spreader bar and fabric slings to prevent damage. When manually handling

sheets use clean dry gloves and do not drag sheets over each other. Storage of sheets should be above ground and under cover.

Do not locate fasteners less than 25mm from the end of sheets. Do not use punches to form holes for fasteners. Holes are to be drilled or self drilling fasteners are to be used.

### Lengths

Steel Panel 850 can be cut in the factory to any length specified by the customer. Tolerance on the length is +0mm-5mm.

### Support recommendations

#### maximum support spacings (non) cyclonic

The recommended maximum support spacings are 600mm for exterior applications, and 900mm for interior applications. These apply for buildings located under the following conditions as specified by AS.1170 Part 2, SA Wind Code:

Area - Non Cyclonic

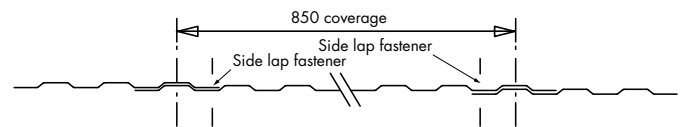
Max. Building Height - 10m

Wind Velocity - 50m/s

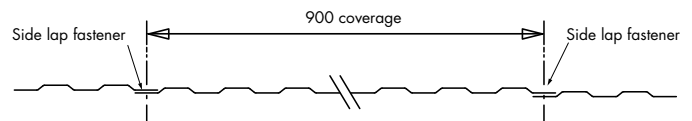
Internal Pressure Coefficient +0.2

Terrain Category -3.

Edge ribs overlapped (for external applications)



Edge rib single lapped (internal applications only)



Non Cyclonic Spans

Material	Single	End	Internal
0.24 BMT	600	600	900