

Steeline Steel Rib 500

Concealed Fixed Roof or Wall Cladding

ST28



Colorbond® Zinalume®

Steeline Steel Rib 500 hi-tensile steel cladding material is produced in 2 thicknesses and in long lengths suitable for roof and wall cladding applications. Each sheet has a 500mm cover width and is designed to lock down over concealed fixing clips. Manufactured locally using quality COLORBOND® or ZINCALUME® steel, Steeline Steel Rib 500 is strong and long lasting.



Ph. 1300 STEELINE

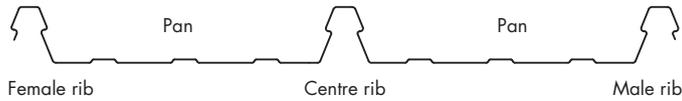
www.steeline.com.au

Service over and above

Installation

Method

The profile of Steel-rib consists of 3 ribs connected by 2 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).

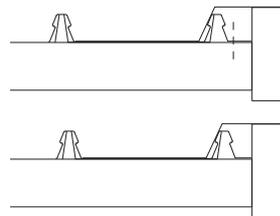
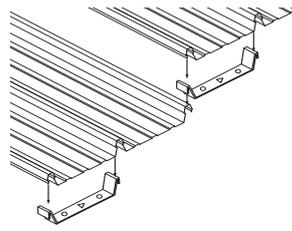
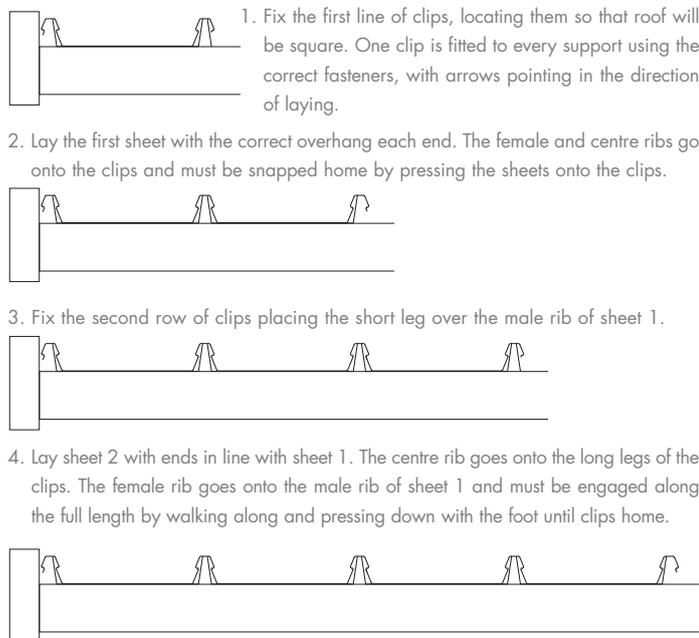
Spring Clip System

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.

Lipping

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



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 Steel-rib sheeting down onto the supports. Each clip has 2 legs, one long and one short which correspond to the centre and female ribs of the Steel-rib 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 clip systems

Steel framing (up to 5mm) - No 12x16 wafer head self drilling tek steel framing (>5mm) - No 10x16 Wafer Head Type 23 Thread Cutting Screws.

Hardwood - No 10x25 Wafer Head Type 17 Self Drilling Screw (Alt: 3.75x50 Countersunk Head Spiral Shank Galv. Nail)

Softwood - No 10x45 Wafer Head Type 17 Self Drilling Screw.

Screw Fixing

When screw fixing every rib on every batten should be fastened with 14 x 75 for timber and 14 x 65 for metal.

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 Steel-rib has an effective coverage of 500mm+2mm.

Roof Pitch

When the ribs of Steel-rib 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

CYCLONIC	BASE MATERIAL THICKNESS	ROOF SPANS UP TO 5M HIGH				WALL SPANS				
		SINGLE	END	INTERNAL	OVERHANG UNSTIFFENED	OVERHANG STIFFENED	SINGLE	END	INTERNAL	OVERHANG
	0.42 (G550)	1000	1210	1530	150	400	2000	2000	2200	200
	0.48 (G550)	1250	1520	1920	150	400	2100	2400	2400	300

Steeline has over 40 locations operating in every state and territory

