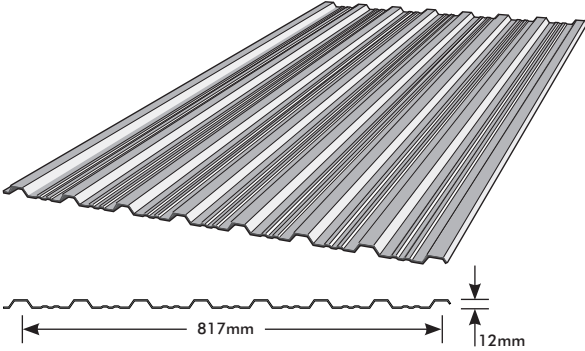


2.12 Lo-Rib™



Lo-Rib™ Material Specifications			
Property	0.35 BMT	0.42 BMT	Notes
Total Coated Thickness	0.40	0.47	TCT
Mass / Unit Length (kg/m)	ZINCALUME®	3.30	1000 / (m/Tonne)
	COLORBOND®	2.75	
Mass / Unit Area (kg/m²)	ZINCALUME®	4.04	1000 / (m Mass/profile width)
	COLORBOND®	3.37	
Minimum Yield Strength	G550		Base Steel Designation
Coating Class	AZ150		Minimum Coating g/m² of Zinc - Aluminium
Coverage (mm)	817		
Tolerance	Sheet Length ±10mm Cover Width ±4mm		
Thermal Expansion	2.9mm average per 5m at 50° C change		

Table 2.12.A Lo-Rib™ Material Specifications

Load Span Tables

The allowable spans have been determined from tests carried out in accordance with the following Australian Standards (wind load available by region): AS 1562.1 :1992, "Design and installation of sheet roof and wall cladding - Metal" and AS 4040:1992, "Methods of testing sheet roof and wall cladding".

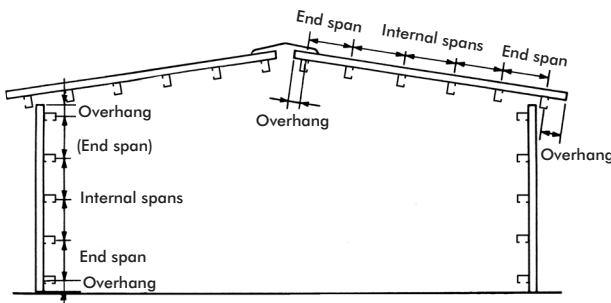


Figure 2.12.A End Spans, Internal Spans and Overhangs

Design Parameters*

Region A:
 $h = 10m$ $C_{p,e} = -0.65$ $P_o = 2.25kPa$
 $v_o = 50m/s$ $C_{p,i} = 0.2$ $P_s = 1.93kPa$
 $K_L = 2.0$

Maximum Recommended Span* (mm) Lo-Rib™ Non Cyclonic		
Span Type	0.35 BMT	0.42 BMT
	Wall	Wall
Single Span	-	-
End Span	1800	1900
Internal Span	2700	2800
Unstiffened Overhang	-	-
Stiffened Overhang	-	-

Table 2.12.B Lo-Rib™ Maximum Recommended Span - Non Cyclonic

Pierce Fixing

Fasteners must be selected to match the life expectancy of the cladding material. Recommendations from fastener manufacturers should be sought.

Only fasteners complying with AS 3566:2002 and those that are compatible with the roofing material should be used for its fastening.

Lo-Rib™ Pierce Fixing - Non Cyclonic		
Fixing Supports	Valley Fixing (Wall Only)	Side Lap Fixing
Steel 1.0 to 3.0mm	10-16x16mm Metal Tek's hexagon head with seal	ABMG4-1/3 Buildex Multigrip Alu- minium/Steel Rivets
Timber Hardwood and Softwood	M6-11x25mm RoofZips hexagon head with seal	

Table 2.12.C Lo-Rib™ Pierce Fixing - Non Cyclonic

Notes: All fasteners used externally should be fitted with an EPDM seal (washer).
Do not use punches to form fastener holes.

Side Lap Fastener

Side lap fasteners are required at mid span when girt centres are 1800mm or greater. These are essential to hold the sheet laps firmly in place and maintain a weather-proof joint. Use aluminium 4-2 rivets.

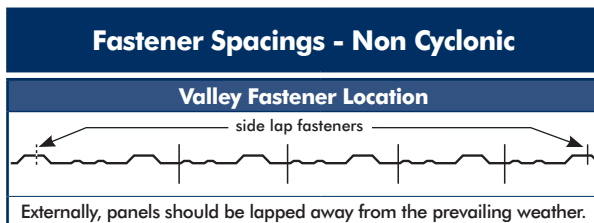


Table 2.12.D Lo-Rib™ Fastener Spacings - Non Cyclonic

Lo-Rib™ Installation Procedure

For installation procedures see section 4.7 "Typical Pierce Fix Installation Guide". For general handling instructions refer to section 5.0 'Maintenance and Care'.