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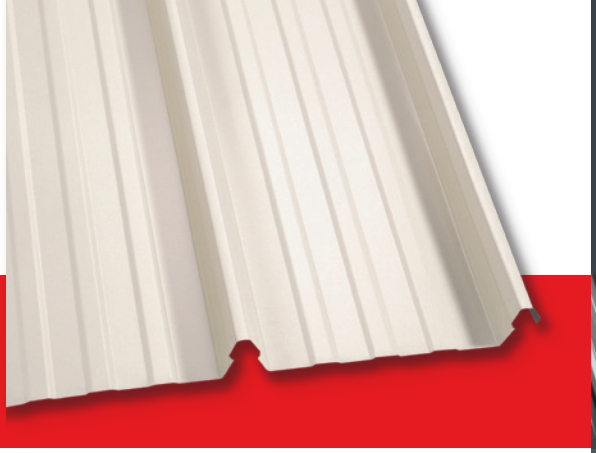
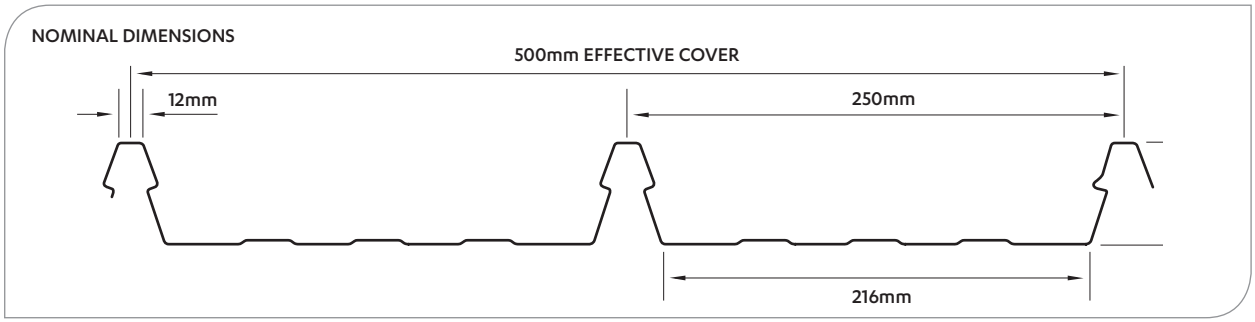
STRONGER IN EVERYWAY

PRODUCT TECHNICAL STATEMENT

HI RIB



Profiled Metal Roofing and Cladding



DESCRIPTION

Hi Rib is a high tensile wide cover clip fastened trough section or decking profile.

APPLICATIONS

- **Residential Roofing and Cladding**
- **Industrial/Commercial Roofing and Cladding**
- **Canopies**

FEATURES

Hi Rib is manufactured from high tensile material, enhancing its performance under both point load and distributed load. The slightly trapezoidal rib profile enhances resistance to foot traffic damage, and allows for end-lapping where required, while the greater cover gives material and installation labour advantages.

OPTIONS

Clear sheeting is available in profiled G.R.P. (fibreglass) to match.

MATERIALS

Available in metallic coated and pre-painted steel in .48mm and .55mm B.M.T. (base metal thickness), aluminium plain and prepainted in .70mm and .90mm, and other non-ferrous metals.

FASTENERS

Typically: Fastened with a Zincalume steel bracket, attached to each support member with two 10g x 45mm wafer head Timberfix screws, or two 10g x 16mm wafer head Steelfix screws to steel.

DURABILITY

All material selections must be compatible with prevailing environmental conditions and adjacent materials, see *Roofing Solutions Product Guide* or *Specifiers Guide* for details. Areas not exposed to rain washing will require programmed maintenance.

WARRANTY PLUS

Steel & Tube **Warranty*Plus*** is the most comprehensive warranty available in the industry. **Warranty*Plus*** covers an extended range of performance criteria, is supported back-to back by our suppliers, includes site-specific maintenance requirements and is transferable to subsequent owners.

PERFORMANCE DATA

MASS (KG/M²)

.48mm B.M.T.	5.82	**.55mm B.M.T.**	6.69

Material Thickness	Controlled Traffic			
	Internal		End	
	Span	Load	Span	Load
.48mm	2300	1.90	1500	1.90
.55mm	2300	2.04	1500	2.07

Material Thickness	Heavy Traffic			
	Internal		End	
	Span	Load	Span	Load
.48mm	2100	2.10	1400	2.10
.55mm	2100	2.18	1400	2.16

Loads are Ultimate Limit State loads in Kilopascals.

MINIMUM PITCH

In accordance with Acceptable Solution E2, the minimum pitch for **Hi Rib** for roofing dwellings is 3˚. Roof runs in excess of 75 metres should be checked for water runoff capacity.

FOOT TRAFFIC

Foot traffic up the roof must take place in the pan of the profile, or over purlin lines. Traffic across the roof must take place along purlin lines.

SPECIFICATIONS

Recommended specifications are available in the branded sections of Masterspec *BASIC* or Masterspec *STANDARD*, or from your local Steel & Tube branch or visit our website.

DESIGN DETAILS

Design details covering many applications are available on our website in CAD and PDF under each product section. Visit www.steelandtube.co.nz.

IMPORTANT PUBLICATIONS

For your installation to perform to its potential, it is essential that it is designed, installed and maintained in accordance with good trade practice. Please refer to:

- Steel & Tube: Roofing Solutions Product Guide
- New Zealand Steel: Installation Guide
- New Zealand Steel: Builders and Specifiers Guide
- BRANZ: Good Profiled Metal Roofing Practice
- MRM: New Zealand Metal Roofing and Wall Cladding Code of Practice
- E2/AS1

INSTALLERS

A list of local installers for your area and contract type is available from your local Steel & Tube branch or visit www.steelandtube.co.nz.

Note:

Trademarks apply to the following products presented in this publication:
MasterSpec BASIC and MasterSpec STANDARD.