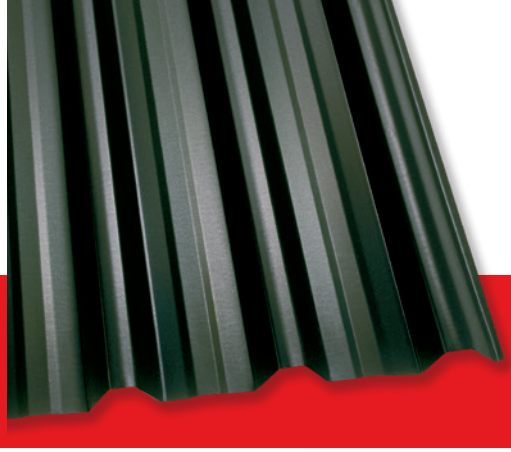
steel&tube
STRONGER IN EVERYWAY

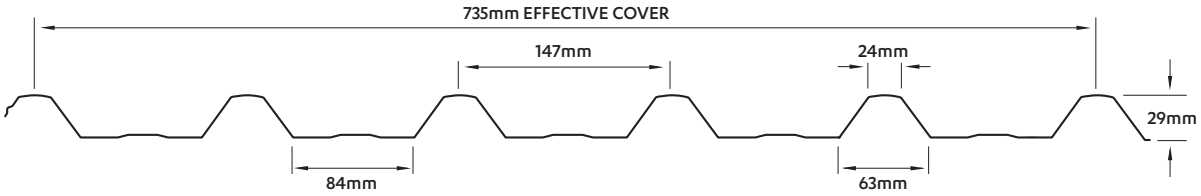
PRODUCT TECHNICAL STATEMENT

TRIMLINE



Profiled Metal Roofing and Cladding

NOMINAL DIMENSIONS



DESCRIPTION

Trimline is a premium low rib, six-ribbed trapezoidal profile, offering great looks and exceptional performance.

APPLICATIONS

- **Residential Roofing & Cladding**
- **Industrial/Commercial Roofing & Cladding**
- **Curving**

FEATURES

Trimline has an extra rib compared to most other products in its class, giving it unequalled good looks and greater rigidity.

OPTIONS

Trimline in .55 G300 material can be crimp curved to minimum radii of 400mm. Depending on grade and purlin spacings, it can be sprung curved down to convex radii of 28 metres. Clear sheeting is available in G.R.P. (fibreglass).

MATERIALS

Available in metallic coated and pre-painted steel in .40mm and .55mm B.M.T. (base metal thickness) aluminium plain and prepainted in .70mm and .90mm, and other non-ferrous metals.

FASTENERS

Typically: Steelfix 12g x 55mm, Timberfix 12g x 65mm, Class 4 minimum of material compatible with that being fastened and durability no less than the sheet material. Category 5 or non-ferrous fasteners are recommended for severe or very severe marine environments

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)

.40mm B.M.T.	4.07	.55mm B.M.T.	5.52

MAXIMUM SPAN

Maximum spans for normal and heavy traffic in millimetres based on Point Load limits, Distributed Loads in kPa calculated in accordance with AS/NZS 1170:2003 at maximum spans, using 4 fasteners per sheet per support. Loads for alternative fastener frequencies available on request.

	Material Thickness	Internal Span			End Span		
		Span	Strength Load	Serviceability Load	Span	Strength Load	Serviceability Load
Controlled Traffic*	.40mm	1700	4.45	3.03	1450	4.95	3.31
	.55mm	2300	5.35	2.12	1700	6.21	3.96
Heavy Traffic**	.40mm	1100	7.07	6.00	800	8.01	5.70
	.55mm	1800	8.19	4.27	1400	7.43	5.65

** Supports 1.1kN to PAN at mid-span. ** Supports 1.1kN to RIB at mid-span.*

To minimise the possibility of roof traffic damage, Steel & Tube recommends Heavy Traffic maximum spans be used.

FASTENERS PER SHEET PER PURLIN

Material Thickness	Purlin Spacing	Wind Zone				
		Low 32 m/s	Medium 37 m/s	High 44 m/s	Very High 50 m/s	Extra High 55 m/s
.40mm	900	2	2	3	3	3
.55mm		2	2	2	2	3
.40mm	1200	2	3	3	4	5
.55mm		2	2	2	3	3

Fastener requirements for Wind Zones according to NZS3604:2011 (calculated on periphery area pressures), using standard fasteners without load spreading washers (typically fastened through every rib to top and bottom purlin).

For SED conditions and applications designed to AS/NZS 1170refer to Steel & Tube: 0800 333 247.

MINIMUM PITCH

In accordance with Acceptable Solution E2, the minimum pitch for **Trimline** for roofing dwellings is 3°.Roof runs in excess of 35 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: Trimline, MasterSpec BASIC and MasterSpec STANDARD.