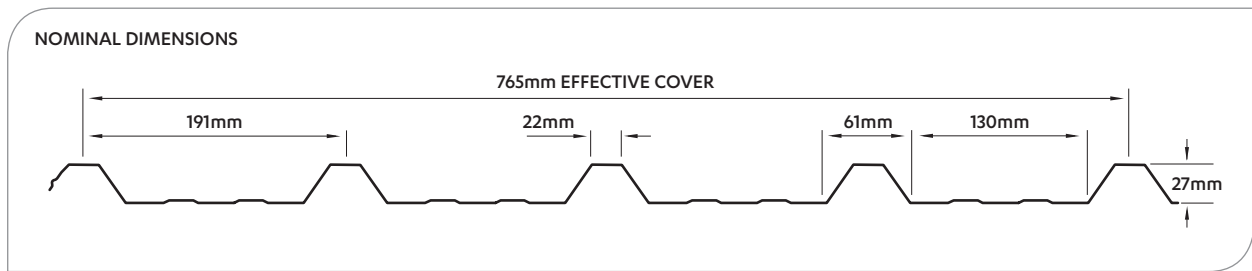


PRODUCT TECHNICAL STATEMENT

# TRIMFORM

## ✦ Profiled Metal Roofing and Cladding



### DESCRIPTION

Trimform is a low rib, five-ribbed trapezoidal product offering great looks, economy and exceptional performance.

### APPLICATIONS

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

### FEATURES

Trimform is the most material-effective product in its class, yet its performance under load equals that of other low rib trapezoidal profiles.

### OPTIONS

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

### 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

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 **WarrantyPlus** is the most comprehensive warranty available in the industry. **WarrantyPlus** 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/M<sup>2</sup>)

.40mm B.M.T.	4.07	.55mm B.M.T.	5.52
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### 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	1600	4.37	1.82	1300	5.58	2.37
	.55mm	2400	4.41	1.75	1900	4.77	1.91
Heavy Traffic**	.40mm	1100	7.16	3.08	800	8.15	3.94
	.55mm	1800	6.08	3.31	1400	6.75	3.28

\* 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/Medium	High	Very High	EH
.40mm	900	2	2	3	4
	1200	2	3	4	4
.55mm	900	2	2	2	2
	1200	2	2	2	2

Fastener requirements for wind zones according to NZS 3604:2011 (calculated on periphery area pressures), using standard fasteners without load spreading washers. (Typically fasten through every rib to top and bottom purlins.)

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

## MINIMUM PITCH

In accordance with Acceptable Solution E2, the minimum pitch for **Trimform** for roofing dwellings is 3°.

Roof runs in excess of 40 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 from your local Steel & Tube branch or on 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](http://www.steelandtube.co.nz).

### Note:

Trademarks apply to the following products presented in this publication: Trimform, MasterSpec.

## 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](http://www.steelandtube.co.nz).