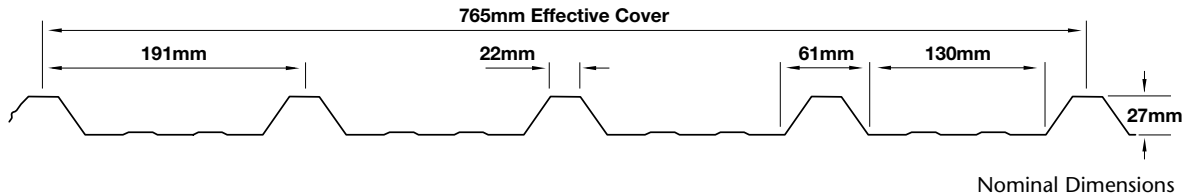


TRIMFORM



Applications



Residential
Roofing &
Cladding

RESIDENTIAL



Industrial/
Commercial
Roofing &
Cladding

INDUSTRIAL

Introduction

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

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 .40 and .55mm B.M.T. (base metal thickness), Aluminium plain and prepainted in .70 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. Provision for thermal expansion should be considered for lengths in excess of 18 metres in steel, and 12 metres in other materials.

Durability

Material selections must be compatible with prevailing environmental conditions and adjacent materials, see 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.

Installers

A list of Approved Installers for your area and contract type is available from your local Steel & Tube Roofing Products' sales office or from our website.

Performance Data

Sectional Properties

Mass	kg/m ²	.40	.55
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TRIMFORM

Maximum Span

Maximum spans for normal and heavy traffic in millimetres based on Point Load limits, Distributed Loads in kPa calculated in accordance with A2/NZS 1170:2003 at maximum spans, using 4 fasteners per sheet per support. Loads for alternative fastener frequencies available on request.

Gauge	Controlled Traffic*						Heavy Traffic**						
	Internal Span			End Span			Internal Span			End Span			
	Span	Strength Load	Serviceability Load	Span	Strength Load	Serviceability Load	Span	Strength Load	Serviceability Load	Span	Strength Load	Serviceability Load	
.40mm	1600	4.37	1.82	1300	5.58	2.37	.40mm	1100	7.16	1.82	800	8.15	3.94
.55mm	2400	4.41	1.75	1900	4.77	1.91	.55mm	1800	6.08	2.31	1400	6.75	3.28

*Supports 1.1kN load to PAN at mid-span

**Supports 1.1kN load to RIB at mid-span

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

Fasteners per sheet per purlin

Material Thickness	Purlin Spacing	Wind Zone			
		Low/Medium	High	Very High	Ends
.40 mm	900	2	2	3	4
	1200	2	3	3	4
.55mm	900	2	2	2	4
	1200	2	2	2	4

Fastener requirements for Wind Zones according to NZS 3604:1999 (calculated on periphery area pressures), using standard fasteners without load spreading washers.

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

Minimum Pitch

In accordance with Acceptable Solution E2, the minimum pitch for Trimform for roofing dwellings is 3°. Lesser-pitched designs are subject to Specific Design criteria. 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® BASIC or MasterSpec® STANDARD, available from your local Steel & Tube Roofing Products sales office or from our website.

Design Details

Design details covering many applications are available in CAD or hard copy, or from our website.

Important

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 Products: Product Guide
- New Zealand Steel: Installation Guide
- New Zealand Steel: Builders and Specifiers Guide
- BRANZ: Good Profiled Metal Roofing Practice

Technical Helpline: 0800 333 247

Website: www.stroofing.co.nz

Email: info@stroofing.co.nz

WHANGAREI
29 South End Avenue
Otaika
PO Box 1869
Whangarei 1040
Tel: 09 438 4600
Fax: 09 438 0342

NORTH SHORE
2 Ride Way
North Harbour
Industrial Estate
PO Box 100182
North Shore
North Shore City 0745
Tel: 09 415 8080
Fax: 09 415 9192

AUCKLAND
30 Business Parade North
Highbrook
PO Box 204216
Highbrook
Manukau 2161
Tel: 09 274 4056
Fax: 09 274 8972

HAMILTON
40 Northway Street
Te Rapa
PO Box 10458
Te Rapa
Hamilton 3241
Tel: 07 850 9200
Fax: 07 850 9330

TAURANGA
28A Jean Batten Drive
Mt Maunganui
PO Box 2001
Seventh Avenue
Tauranga 3140
Tel: 07 578 1089
Fax: 07 577 0186

WELLINGTON
41 Randwick Road
Lower Hutt
PO Box 36082
Wellington Mail Centre
Lower Hutt 5045
Tel: 04 568 4359
Fax: 04 568 6770

CHRISTCHURCH
106 Antigua Street
Sydenham
PO Box 7306
Sydenham
Christchurch 8240
Tel: 03 377 0994
Fax: 03 377 2680



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