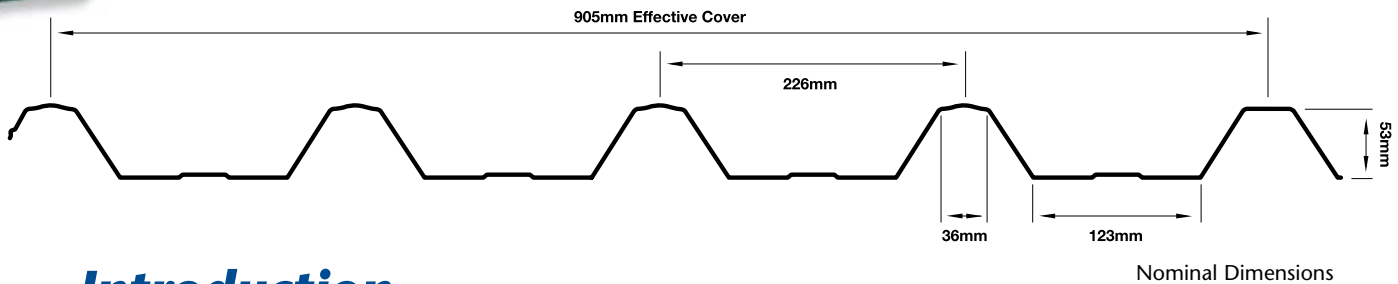


# MULTISPAN



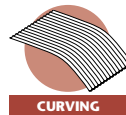
## Introduction

Multispan is a high-ribbed trapezoidal product offering exceptional performance and great economy.

## Applications



Industrial/  
Commercial  
Roofing &  
Cladding



Curving

## Features

Multispan is exceptionally cost-effective, offering greater robustness in .40 mm material than low rib products have in .55 mm, yet being more material-efficient. Its fully supported male rib leg is a great favourite with fixers, keeping the lap detail intact during fastening, while the patented crested rib provides extra strength and weather security around the fastener head.

## Options

Clear sheeting is available in profiled G.R.P. (fibreglass) to match. The product in .55mm G300 can be crimp curved to a concave or convex radius.

## Materials

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

## Fasteners

Typically: Steelfix 14g x 90mm, Timberfix 14g x 100mm, 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 16 metres.

## Durability

All 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.

## Sectional Properties

# MULTISPAN

Measure	Mass	Area	I	Z Top	Z Bottom	Y (centroid)
Unit	kg/m <sup>2</sup>	mm <sup>2</sup>	mm <sup>4</sup>	mm <sup>3</sup>	mm <sup>3</sup>	mm
.40mm B.M.T.	4.41	514	229518	6305	11142	20.6
.55mm B.M.T.	5.98	707	315733	8674	15327	20.6

**Notes:** 1. Properties are for 1 metre width of cladding 2. Values are nominal only 3. Yield strength is 550 Mpa typical.

## Performance Data

Maximum spans for normal and heavy traffic in millimetres. Distributed Loads in kPa at Maximum Spans using 4 fasteners per sheet per support. Loads for alternative fastener frequencies available on request.

Gauge	Controlled Traffic			
	Internal		End	
	Span	Load	Span	Load
.40mm	2800	1.50 st	1900	2.52 st
		1.10 sv		2.20 sv
.55mm	3800	2.12 st	3000	2.57 st
		0.55 sv		1.59 sv

Gauge	Heavy Traffic			
	Internal		End	
	Span	Load	Span	Load
.40mm	2100	2.79 st	1800	3.11 st
		2.38 sv		2.73 sv
.55mm	2800	3.00 st	2200	3.20 st
		1.80 sv		3.00 sv

st = Limit State Strength Load. sv = Limit State Serviceability Load.

## Minimum Pitch

In accordance with Acceptable Solution E2, the minimum pitch for MultiSpan is 3°. Lesser-pitched designs are subject to Specific Design criteria. 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.

## Installers

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

## Specifications

Recommended specifications are available in the branded sections of MasterSpec® BASIC or MasterSpec® STANDARD, or from your local Steel & Tube Roofing Products sales office.

## Design Details

Design details covering many applications are available in CAD or hard copy.

## 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](http://www.stroofing.co.nz) Email: [info@stroofing.co.nz](mailto:info@stroofing.co.nz)**  
**Specification templates available on masterspec 09 631 7044**

**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



**STEEL & TUBE**  
**ROOFING PRODUCTS**