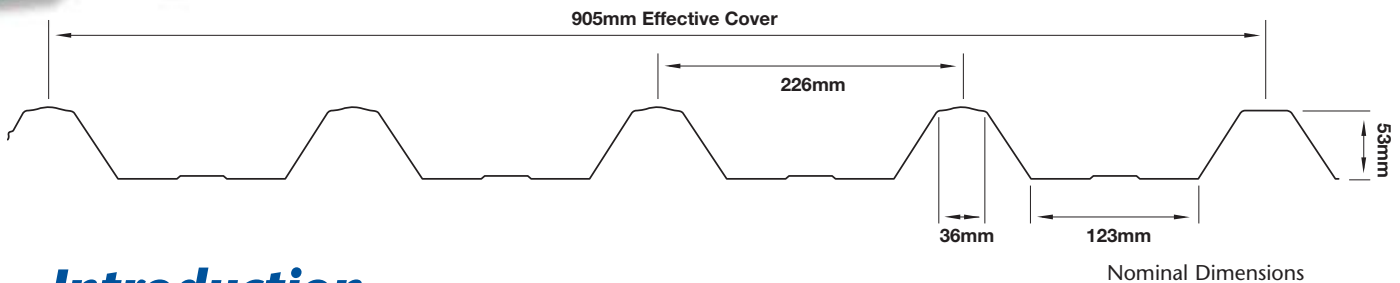


MULTISPAN



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 ²	mm ²	mm ⁴	mm ³	mm ³	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*

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