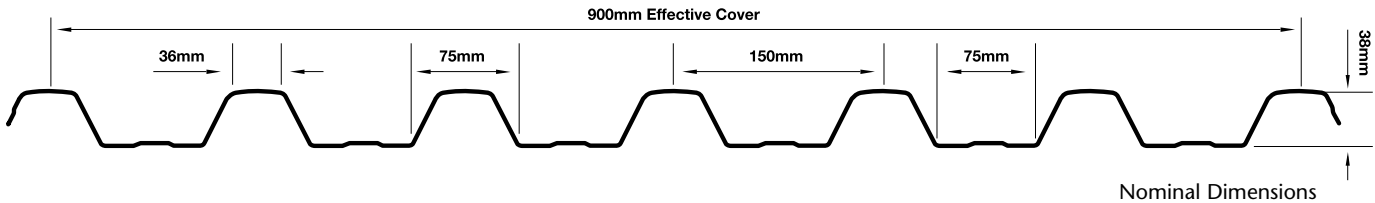


ST 900



Introduction

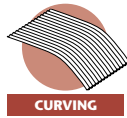
ST 900 is a Medium Rib profile. Developed for the Commercial/Industrial roofing and cladding markets, it is equally at home in residential settings where a bolder look is desired.

Applications



Industrial/
Commercial
Roofing &
Cladding

INDUSTRIAL



Curving

CURVING



Residential
Roofing &
Cladding

RESIDENTIAL

Features

ST 900 is distinguished by a subtle swage pan that adds stiffness to the pan, minimising canning and purlin line marking. Lapping ribs are interchangeable male/female, allowing flexibility to the installer, and feature a well-defined anti-capillary detail.

Options

ST 900 in .55mm thickness can be crimp-curved to a minimum radius of 400mm. Matching translucent sheeting is available in GRP (fibreglass). The product can also be manufactured without the pan swage, in which case it should be specified and ordered as STF 900.

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 12g x 55mm, Timberfix 12g x 75mm, 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 12 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.

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.	4.49	519	118851	5427	7382	16.1
.55mm B.M.T.	6.08	714	163480	7465	10154	16.1

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 6 fasteners per sheet per support. Loads for alternative fastener frequencies available on request.

Gauge	Controlled Traffic			
	Internal		End	
	Span	Load	Span	Load
.40mm	2400	2.95 st	1700	4.30 st
		2.19 sv		3.40 sv
.55mm	3500	3.15 st	2800	3.25 st
		1.90 sv		1.75 sv

Gauge	Heavy Traffic			
	Internal		End	
	Span	Load	Span	Load
.40mm	1000	8.50 st	1000	7.10 st
		7.34 sv		6.40 sv
.55mm	2300	4.55 st	1700	6.10 st
		3.51 sv		5.00 sv

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

Minimum Pitch

In accordance with Acceptable Solution E2, the minimum pitch for ST 900 is 3°. Lesser-pitched designs are subject to Specific Design criteria. Roof runs in excess of 65 metres should be checked for water runoff capacity.

Foot Traffic

Foot traffic up the roof must take place with load spread equally across two ribs, or in the pan and against an adjacent rib. Traffic across the roof must take place along the 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 Email: info@stroofing.co.nz
Specification templates available on masterspec 09 631 7044

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