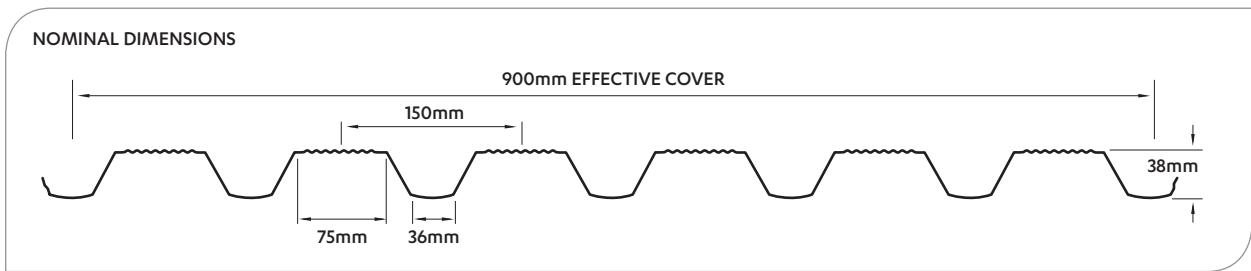


## ✦ Profiled Metal Cladding



### DESCRIPTION

**STC900** is specialist medium rib cladding profile.

### APPLICATIONS

- Specialty Cladding
- Ceilings and Linings
- Curving
- Canopies

### FEATURES

**STC900** is specially designed for pan-out wall cladding, or canopies, where the normal underside of the profile is exposed to view. Fine flutes in the face highlight the surface and accentuate the negative detail, while special modifications to the side lap detail means that weatherproofness and good looks are maintained from both sides of the profile.

### OPTIONS

Clear sheeting is available in profiled G.R.P. (fibreglass) to match. **STC900** in .55mm steel can be crimp curved concave or convex.

### 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: Pan fastened with Timberfix 12g x 30mm screws, or Steelfix 12g x 20mm, 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. For under-slung canopies the fastener should be mated to a 16mm diameter embossed washer.

### DURABILITY

All 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.	4.49	.55mm B.M.T.	6.08
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Limit state loads in kPa at stated spans using 6 fasteners per sheet per support.  
Loads for alternative fastener frequencies available on request.

Material Thickness	Span Type	Span (mm)						
		1800	2100	2400	2700	3000	3300	3600
.40mm	Internal	5.10 st	3.85 st	2.95 st	2.45 st	2.10 st	1.85 st	1.80 st
		4.23 sv	3.06 sv	2.19 sv	1.61 sv	1.22 sv	0.97 sv	0.80 sv
	End	4.30 st	3.40 st	2.75 st	2.30 st	2.00 st	1.80 st	1.70 st
		3.40 sv	2.30 sv	1.54 sv	1.07 sv	0.82 sv	0.72 sv	0.68 sv
.55mm	Internal	7.16 st	5.65 st	4.55 st	3.85 st	3.45 st	3.20 st	3.15 st
		6.73 sv	4.84 sv	3.51 sv	2.68 sv	2.21 sv	1.99 sv	1.90 sv
	End	6.10 st	4.95 st	4.10 st	3.55 st	3.25 st	3.10 st	2.95 st
		5.00 sv	3.75 sv	2.80 sv	2.20 sv	1.75 sv	1.45 sv	1.25 sv

st = Limit state strength load. sv = Limit state serviceability load.

## SPECIFICATIONS

Recommended specifications are available in the branded sections of MasterSpec BASIC or MasterSpec STANDARD, or from your local Steel & Tube branch or visit 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).

## 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).

### Note:

Trademarks apply to the following products presented in this publication:  
STC900, MasterSpec BASIC and MasterSpec STANDARD.