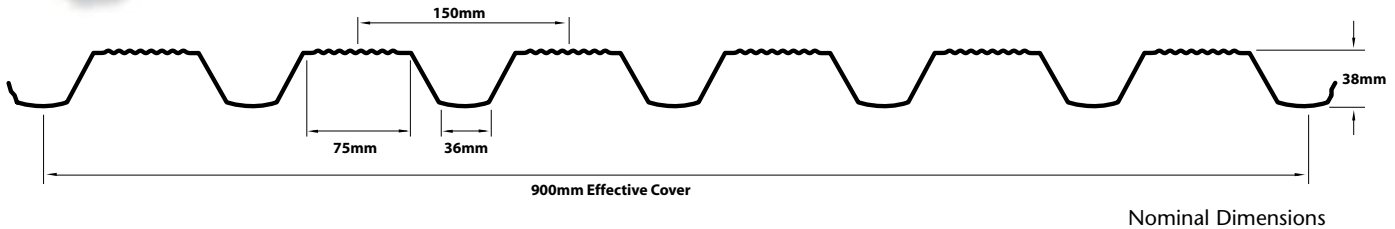


STC 900



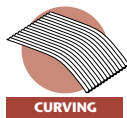
Introduction

STC 900 is specialist medium rib cladding profile.

Applications



Specialty Cladding



Curving



Canopies



Ceilings & Linings

Features

STC 900 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. STC 900 in .55mm steel can be crimp curved concave or convex.

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

STC 900 is typically pan fastened with Timberfix 12g x 25mm screws, or Steelfix 12g x 20mm, Class 4 minimum, of material compatible with that being fastened and durability no less than the sheet material. For under-slung canopies the fastener should be mated to a 16mm diameter embossed washer. 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.

Sectional Properties

STC 900

| 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

Limit state loads in kPa at stated spans using 6 fasteners per sheet per support. Loads for alternative fastener frequencies available on request.

| Gauge | 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.

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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