Profiled Metal Roofing and Cladding

**DESCRIPTION**

Trimform is a low rib, five-ribbed trapezoidal product offering great looks, economy and exceptional performance.

**APPLICATIONS**

- Residential Roofing and Cladding
- Industrial/Commercial Roofing and Cladding

**FEATURES**

Trimform is the most material-effective product in its class, yet its performance under load equals that of other low rib trapezoidal profiles.

**OPTIONS**

Clear sheeting is available in profiled G.R.P. (fibreglass) to match.

**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: Steelfix 12g x 55mm, Timberfix 12g x 65mm, 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.

**DURABILITY**

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/M²)

<table>
<thead>
<tr>
<th>Material Thickness</th>
<th>.40mm B.M.T.</th>
<th>.55mm B.M.T.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4.07</td>
<td>5.52</td>
</tr>
</tbody>
</table>

MAXIMUM SPAN

Maximum spans for normal and heavy traffic in millimetres based on Point Load limits, Distributed Loads in kPa calculated in accordance with AS/NZS 1170:2003 at maximum spans, using 4 fasteners per sheet per support. Loads for alternative fastener frequencies available on request.

<table>
<thead>
<tr>
<th>Material Thickness</th>
<th>Controlled Traffic*</th>
<th>Heavy Traffic**</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Span</td>
<td>Strength Load</td>
</tr>
<tr>
<td>.40mm</td>
<td>1600</td>
<td>4.37</td>
</tr>
<tr>
<td>.55mm</td>
<td>2400</td>
<td>4.41</td>
</tr>
</tbody>
</table>

To minimise the possibility of roof traffic damage, Steel & Tube recommends Heavy Traffic maximum spans be used.

FASTENERS PER SHEET PER PURLIN

<table>
<thead>
<tr>
<th>Material Thickness</th>
<th>Purlin Spacing</th>
<th>Wind Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Low/Medium</td>
<td>High</td>
</tr>
<tr>
<td>.40mm</td>
<td>900</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>1200</td>
<td>2</td>
</tr>
<tr>
<td>.55mm</td>
<td>900</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>1200</td>
<td>2</td>
</tr>
</tbody>
</table>

Fastener requirements for wind zones according to NZS 3604:2011 (calculated on periphery area pressures), using standard fasteners without load spreading washers. (Typically fasten through every rib to top and bottom purlins.)

For SED conditions and applications designed to AS/NZS 1170 contact Steel & Tube: 0800 333 247.

MINIMUM PITCH

In accordance with Acceptable Solution E2, the minimum pitch for Trimform for roofing dwellings is 3°. Roof runs in excess of 40 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.

SPECIFICATIONS

Recommended specifications are available in the branded sections of MasterSpec from your local Steel & Tube branch or on 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.

Note:
Trademarks apply to the following products presented in this publication: Trimform, MasterSpec.

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.