DIMOND EUROPANEL® PROFILE INFORMATION

Panel Tolerances
Cover (mm) H = 600 x W = 1125
Panel length ± 5mm
Panel Height ± 5mm

Dimensions given are nominal

<table>
<thead>
<tr>
<th>Material Options</th>
<th>Copper</th>
<th>Zinc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness (BMT) mm</td>
<td>0.7</td>
<td>0.7</td>
</tr>
<tr>
<td>Nominal weight/lineal metre (kg/m)</td>
<td>6.78</td>
<td>3.02</td>
</tr>
</tbody>
</table>

EuroPanel® Fastener Designation

<table>
<thead>
<tr>
<th>Framing material</th>
<th>Copper</th>
<th>Zinc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timber</td>
<td>Type 17 Stainless steel grade 304 8g x 20mm c/sunk or 2.5mm x 25mm grade 304 stainless steel annular grooved nails</td>
<td>Type 17 Stainless steel grade 304 8g x 20mm c/sunk or 2.5mm x 25mm grade 304 stainless steel annular grooved nails</td>
</tr>
<tr>
<td>Fixing Clips</td>
<td>The maximum clip fixing centre is 500mm, with clip spacing’s from the corners no greater than 65mm</td>
<td></td>
</tr>
<tr>
<td>Lock Seam Width</td>
<td>Standard seam width is 30mm, but can be made to 40mm</td>
<td></td>
</tr>
</tbody>
</table>

June 2018
EuroPanel® Lock Seam
(swages around two edges)

Minimum of 5 clips each panel

EuroPanel® Hook Seam

Minimum of 5 clips each panel

THIS PRODUCT MUST BE INSTALLED BY A CERTIFIED & APPROVED ROOFINGSMITH
EUROPANEL® LIMIT STATE LOAD/SPAN CAPACITY CHART
(span in mm, distributed ultimate load in kPa)

Serviceability Category Wall

<table>
<thead>
<tr>
<th></th>
<th>Fixings per Panel</th>
<th>Fixings per Clip</th>
<th>Ultimate (kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc 0.70mm</td>
<td>5</td>
<td>2</td>
<td>2.65</td>
</tr>
<tr>
<td>Copper 0.70mm</td>
<td>5</td>
<td>2</td>
<td>4.15</td>
</tr>
</tbody>
</table>

NOTES
1. Loads given are limited to a maximum of 4.15kPa. If design requirements exceed this limit, Contact Dimond Roofing for specific advice.
2. Design Criteria for Limit State Capacities
   a) Ultimate Limited State
   No pull through of fixings or fasteners withdrawal resulting in sheet detachment due to wind up-lift (outward) loads
3. Wind Pressure Guide
   As a guide for non-specific design the following S.L.S. design loads in accordance with the MRM Roofing Code of Practice can be used for buildings less than 10m high, otherwise AS/NZS 1170.2 should be used
   Low wind zone = 0.68kPa, Medium wind zone = 0.93kPa, High wind zone = 1.32kPa, Very high wind zone = 1.72kPa and Extra high wind zone = 2.09kPa.

EuroPanel® Design

EuroPanel® wall cladding must always be installed over a plywood (12mm minimum) substrate with a moisture content of less than 18% and made wind tight, with purlin supports underneath at 600mm centres in low to high wind zones and 400mm centres for very high and extra high wind zones. Avoid contact between Zinc and Bitumous papers. Use covertek 403.

8g x 40mm countersunk stainless steel screws at 150mm centres around the panel edged and 200mm centres on the intermediate supports. The fasteners should be no closer than 10mm to the edge.

A 3mm expansion gap should be provided between the sheets. All joints should be staggered and taped over before placing underlay.

EuroPanel® can have varying length panels up to 1125mm for Lock seam but can be longer for Hook Seam panels please contact the local Dimond Roofing branch for further information.

EuroPanel® can be laid in pattern or randomly depending on the required finish. Most often the panel will be installed in a brick-block pattern.

The height of the panel must remain the same for each row or course. Concealed 'stainless steel' or copper clips connect the EuroPanel® to the substrate, and the seam width of the Lock Seam panel can be adjusted if required.

Types of Panel

EuroPanel® Lock Seam

EuroPanel® Hook Seam

Production facility at: Invercargill

NOTES
Coated steel based materials are not recommended for these profiles, due to the high likelihood of scratching, which could lead to corrosive issues at a later date.
Flashing and jointing details when using Copper or Zinc materials are required to be solder, silicone sealants are not to be used on these materials.