Profile Drawing

Profile Dimensions

<table>
<thead>
<tr>
<th>Profile (mm)</th>
<th>Thickness (mm)</th>
<th>Length</th>
<th>Overall width (mm)</th>
<th>Cover Width (mm)</th>
<th>Side-Lap (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>171.5 / 36.5</td>
<td>1.0 – 2.0</td>
<td>1.5 - 11.6</td>
<td>756</td>
<td>686</td>
<td>9.3</td>
</tr>
</tbody>
</table>

Load / Span Data

<table>
<thead>
<tr>
<th>Load (kg/m²)</th>
<th>Maximum Roof Span (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.0 mm</td>
</tr>
<tr>
<td></td>
<td>Mid Field</td>
</tr>
<tr>
<td>75</td>
<td>1750</td>
</tr>
<tr>
<td>100</td>
<td>1650</td>
</tr>
<tr>
<td>125</td>
<td>1550</td>
</tr>
<tr>
<td>150</td>
<td>1450</td>
</tr>
<tr>
<td>175</td>
<td>1400</td>
</tr>
<tr>
<td>200</td>
<td>1350</td>
</tr>
</tbody>
</table>

- The specified dimensions do not supersede the requirements of local construction codes.
- The maximum purlin spans are based on continuous beam calculation model and practical testing.
- The criterion for allowed deflections is L/20.
- The mentioned load refers to both wind and snow loads.
- Minimum recommended slope – 10%.
- For vertical application spans can be increased by 10%.

Panel Length

- Maximum recommended panel length - 7.0 m.
- Recommended longitude overlaps of 200mm above purlin.
- Each panel to extend 100mm over the fixings line on the purlin.
- Panels should overhang Min. 50mm and Max. 150mm beyond the last fixings line.

Curved Roof

- Minimum curving radius 14.0 m.
Positioning

- Side-lap of PALRUF panels should be installed against the primary direction of rain.
- Do not install PALRUF over existing roof or ceiling, without prior consultation with the manufacturer PALRAM.
- For contact details please refer to PALRAMs' official website at www.palram.com
- The PALRUF panels should be located and installed without any stresses. Do not pull, stretch or force the sheets when the profiles are not perfectly matched.

Fastening

- Apply sealing tape over the PALRUF panel side-lap corrugation crests, where covered by the next panel.
- Apply sealing tape along the bottom and top End-lap (if there is), along screws centerline or two tapes on both sides of screw centerline.
- Pre-drill 10mm holes at crests where screws are positioned.
- Start fastening the screws from the first side-lap (left) through the pre-drilled holes (2).
- Start fastening the screws on the lower edge purlin (End-lap), on each corrugation crest (1).
- Fasten screws at the internal and upper edge purlins, at each corrugation crest, starting at the same side (1, 2).
- Do not over-tighten!
- Fasten the stitching screws at every 300 mm (3).

Fastening Location

Screws and Washers Specification

- Crest fixing: Self-drilling 5.5mm x 75mm (3") screw + matched metal crest rider (Storm washers) with EPDM gasket.
- Side Stitching: 5.5mm x 25mm (¼"x1") Stitching Screws (Grommet seals) with EPDM seal.
Important Notes

- Use only PALRAM approved accessories, including EPDM rubber washers, silicones, sealing tape, closure fixtures etc.
- For clear PALRUF onto wooden purlins, apply white acrylic paint, or aluminum tape, in order to prevent over-heating of the purlins.

Cutting Tips

- Use jigsaw or circular saw with fine tooth blades.
- Apply high blade speed with moderate feeding rate.
- Support the sheets near the cutting line.
- Clean the dust and cutting chips after cutting.

Fastening Tips

- Use adjustable electric screwdriver.
- The screw must be installed perpendicular to the PALRUF sheet.
- Important: Do not over-tighten.

Safety

- Do not step directly on the panel.
- Use stepping boards.
- Work according to local safety regulations.

Handling and Storage

- Store in a dry shaded place, protect from direct sunlight and rain.
- Cover PALRUF stack with white opaque covering.
- Avoid covering the sheets with heat absorbing materials.
- Avoid contact or environment of chemicals.
- Protect the sheets from any physical damage.
- After installation keep sheets free of dust and suit.
- Sheets should be cleaned frequently with a water hose.

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