SUNOPAK® 76 / 18 (Greca/ Trapeze)
Installation Guide

Profile Dimensions

<table>
<thead>
<tr>
<th>Profile</th>
<th>Thickness (mm)</th>
<th>Length (m)</th>
<th>Width (mm)</th>
<th>Effective Width (mm)</th>
<th>Number of Corrugations</th>
<th>Side-Lap (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>76/18</td>
<td>1.0</td>
<td>1.5-11.6</td>
<td>1155</td>
<td>1064</td>
<td>15.5</td>
<td>7.8</td>
</tr>
</tbody>
</table>

Load / Span Data

<table>
<thead>
<tr>
<th>Load (Kg/m²)</th>
<th>Maximum purlin Span Slope of 5% (mm)</th>
<th>Maximum purlin Span Slope of 10% (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>1000</td>
<td>1100</td>
</tr>
<tr>
<td>75</td>
<td>900</td>
<td>1000</td>
</tr>
<tr>
<td>100</td>
<td>800</td>
<td>900</td>
</tr>
<tr>
<td>125</td>
<td>700</td>
<td>800</td>
</tr>
</tbody>
</table>

- The dimensions depicted do not supersede the requirements of local construction codes.
- In vertical walls the spans can be increased by 10%.
- Minimum recommended slope for a new roof – 5%.
- Maximum recommended sheet length – 7.0 m.

Safety
- Do not step directly on the sheets - before, during or after installation.
- Work according to local safety regulations.
- Use stepping ladder or crawling boards.

Positioning
- The sheets must be laid on the roof against the primary direction of wind and rain.
- Use 1½ corrugations Side Lap.
- The SUNOPAK sheets must be installed without any stresses.

Curved Roof Fastening
- Minimum curving radius along the corrugations - 4.0 m.
**SUNOPAK® 76 / 18 (Greca/ Trapeze)**  
*Installation Guide*

**Roof and Wall Positioning and Fastening**

- Use plastic shaped spacing supports.
- Start fastening the screws on the Side Lap where the SUNTUF sheet over-laps the previous installed sheet.
- Fasten on the corrugation crest at every purlin.
- Fasten the screws on the lower edge purlin, each second corrugation crest, starting at the same side.
- Fasten at the internal purlins, at each third corrugation crest.
- Fasten at the upper edge purlin, at each second corrugation crest, starting at the same side.
- Wall mounting (cladding) – The fasteners at the corrugations valley, except at the side-laps.

**Side-Lap**

- Use 1½ corrugations Side Lap.
- Start from the side where the SUNOPAK sheet over-laps the previous sheet.
- Apply sealing tape along the crest centerline.

**End-Lap**

- Maximum overhang up to 100 mm from screw centerline.
- Minimum overhangs 50 mm from screw centerline.
- Apply sealing tape along screws centerline.
- Roof edge – not more than 100 mm

**Screws and Washers**

- Crest fixing – 5.5mm x 50mm wood or metal screw.
- Valley fixing – 5.5mm x 38mm wood screw (wall covering).
- Recommended washer/gasket: 19mm diameter- galvanized / aluminum / stainless metal washer attached to EPDM rubber gasket of 55 to 65 shore hardness and minimum 4mm thickness.
- Never use PVC washers or any unapproved material.
- **PALRAM washers are highly recommended.**
- Pre-drill the screw holes in the SUNOPAK sheets, 3-4 mm bigger than the screw diameter (9-10mm).
Fastening Tips
- Use adjustable electric screwdriver.
- The screw must be installed perpendicular to the SUNOPAK sheet.
- **Important - Do not over-tighten**!

Cutting / Sawing tools
- Circular saw with small teeth.
- Jigsaw.
- When Sawing use high blade speed and slow feed rate.
- Support the sheet in the vicinity of the cut and clean dust and splinters away.

Drilling
- The hole diameter must be 3-4 mm larger than the diameter of the screw.
- Support the sheet in the vicinity of the hole and clean dust and splinters away.

Handling and Storage (Packed sheets)
- Store in a shaded place, protect from direct sunlight and rain.
- Avoid covering the sheets with heat absorbing materials.
- Avoid contact or environment of chemicals.
- **Avoid any tightening pressure on the sheets during packing and transporting.**
- Protect the sheets from any damage.

Accessories
- **Use only PALRAM approved accessories**
- Compatible Silicone.
- Butyl Rubber or Expanding Sealing tape.
- Plastic crest supports.
Important Notes

- Avoid any stress source.
- **Pre drilled holes** — Oversized holes should be 3-4mm wider than the screw diameter.
- Do not over-tighten.
- Use only approved accessories, including rubber washers, silicones, sealing strip, closure fixtures etc. Soft PVC washers looking exactly like EPDM washers are not compatible with Polycarbonate sheets.
- Avoid contact with non-compatible chemicals and materials.

For information about Accessories, please refer to the CATALOG OF FINISHING ACCESSORIES.