**SUNTUF® INDUSTRIAL Installation Guide**

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**SUNTUF SPANTUF**

<table>
<thead>
<tr>
<th>Profile (mm)</th>
<th>Thickness (mm)</th>
<th>Length (m)</th>
<th>Overall width (mm)</th>
<th>Cover Width (mm)</th>
<th>Side-Lap (%)</th>
<th>Min Curving Radius (m)</th>
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<tbody>
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<td>87.5/24</td>
<td>0.8-1.5</td>
<td>1.5 - 60%</td>
<td>754</td>
<td>700</td>
<td>7.1</td>
<td>10</td>
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**SUNTUF TRIMDEK (5000)**

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<th>Length (m)</th>
<th>Overall width (mm)</th>
<th>Cover Width (mm)</th>
<th>Side-Lap (%)</th>
<th>Min Curving Radius (m)</th>
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<td>760</td>
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**SUNTUF KINGKLIP (8000)**

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<th>Profile (mm)</th>
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<th>Overall width (mm)</th>
<th>Cover Width (mm)</th>
<th>Side-Lap (%)</th>
<th>Min Curving Radius (m)</th>
</tr>
</thead>
<tbody>
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<td>233.3 / 42</td>
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<td>700</td>
<td>6.9</td>
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</tbody>
</table>

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**Panel Length**

Recommended panel length up to 7.2 m.

* Longer lengths can be obtained based on project requirements.
Positioning

- Roof Pitch should be 5° (87mm per 1000mm) or greater
- Make sure the UV protected side faces out.
- Remove all sticker immediately after installation.
- Lay the SUNTUF panel to overlap metal panels on both sides.
- Recommended longitude overlap of 200-300mm above purlin.
- Each panel to extend 100-150mm past the fixings line on the purlin.
- Panels should overhang 50 - 150mm maximum beyond the last screw line.
- The SUNTUF sheet should be placed and installed without any stresses.

Sealing - Recommended

- Apply sealing tape along the bottom and top End-lap (Where applicable), 2 cm down slope screws centerline.
- Apply sealing tape on the adjacent panels side crests covered by the SUNTUF panel - in areas with strong winds, where roof slope is low and where spans between purlins are large.

Fastening

- Pre-drill 10mm holes at crests where screws are positioned - when not using Self-screw.
- Trimdek/Kingklip - Fasten End purlin every crest and center of valley.
  - Fasten Middle purlin every top crest.
  - Fasten Overlaps every top crest.
- Spantuf -
  - Fasten End purlin every top crest.
  - Fasten Middle purlin every 2nd top crest.
  - Fasten Overlaps every 2nd top crest.

- Do not over-tighten!
- Fasten Stitching Screws every 300-400 mm - In areas with strong winds, where roof slope is low and where spans between purlins are large.

Fasten Middle Purlin&Overlaps

Fasten End Purlin

Kingklip
Trimdek
Spantuf

Predrill 10mm hole in top sheet layer only
Predrill 10mm hole through both layers of sheeting

Stitching screws
Important Notes

- Use only PALRAM approved accessories, including EPDM rubber washers, silicones, sealing tape, closure fixtures etc.
- For clear SUNTUF onto wooden purlins, apply white acrylic paint, or aluminum tape, in order to prevent over-heating and drying of the wooden 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 SUNTUF 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.
- Avoid covering the sheets with heat absorbing materials.
- Avoid contact with paint, adhesives or other materials that are not compatible with Polycarbonate.
- Protect the sheets from any physical damage.
- Clean regularly with warm soapy water.

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