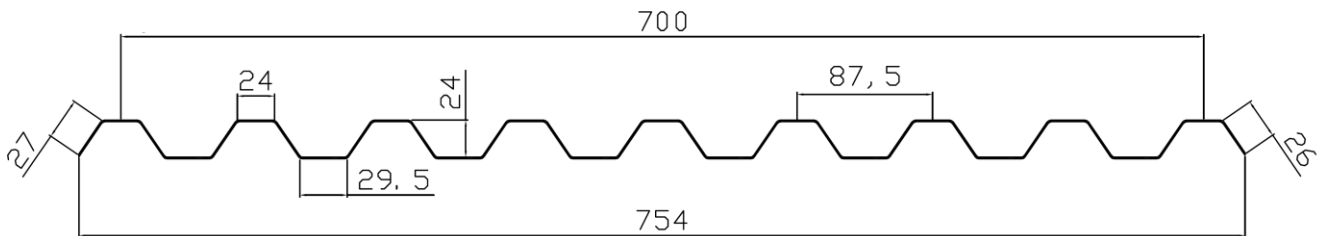
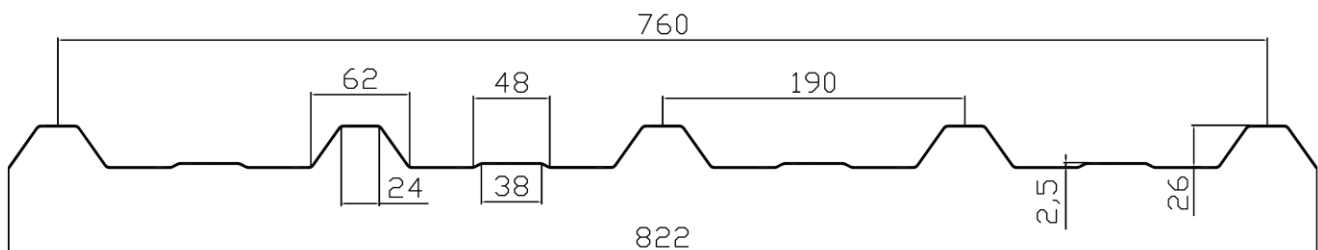


SUNTUF SPANTUF



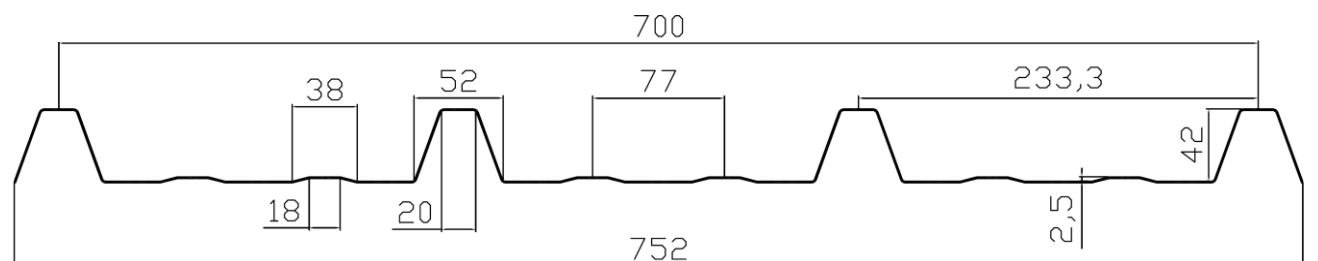
Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width(mm)	Side-Lap (%)	Min Curving Radius (m)
87.5/24	0.8-1.5	1.5 -	754	700	7.1	10

SUNTUF TRIMDEK (5000)



Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width(mm)	Side-Lap (%)	Min Curving Radius (m)
190/26	0.8-1.5	1.5 -	822	760	7.5	11

SUNTUF KINGKLIP (8000)



Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width(mm)	Side-Lap (%)	Min Curving Radius (m)
233.3/42	0.8-1.5	1.5 -	752	700	6.9	17

Panel Length

Recommended panel length up to 7.2 m.

* Longer lengths can be obtained based on project requirements

SUNTUF® INDUSTRIAL Installation Guide

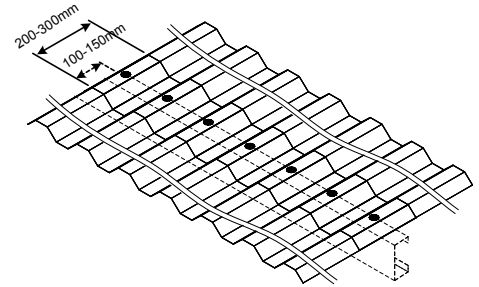


12/04/2013

Profiles: TRIMDEK (5000) + SPANTUF + KINGKLIP (8000)

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.
Do not pull, stretch or force the sheets during installation.



Sealing - Recommended

- Apply sealing tape along the bottom and top End-lap (Where applicable), 2 cm down slope & 2 cm up 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.

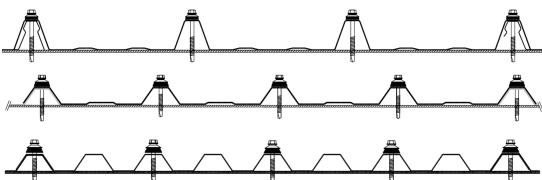


Fastening

- Pre-drill 10mm holes at crests where screws are positioned - when not using Self-drilling 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 .

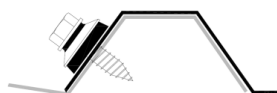


Fasten Middle Purlin&Overlaps



Kingklip
Trimdek
Spantuf

Fasten End Purlin



Predrill 10mm hole in top sheet layer only



Predrill 10mm hole through both layers of sheeting

Stitching screws

SUNTUF® INDUSTRIAL Installation Guide



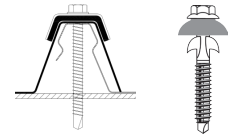
12/04/2013

Profiles: TRIMDEK (5000) + SPANTUF + KINGKLIP (8000)

Screws and Washers Specification

USE SUNTUF SCREWS

- Crest fixing: Self-drilling - 14g x 65mm (clearfix 14g x65mm)
- Kingklip over timber purlins/battens- 14g x 75mm timber screw & EPDM washer (Predill 10mm hole in PC)
- In areas with strong winds and/or snow loads , and where spans between purlins are large use metal crest rider (Storm washers) with EPDM gasket
- Side Stitching: 8g x 25mm Stitching Screws (Grommet seals) with 19mm EPDM washer (pre-drill 10mm holes on the PC where the screw are positioned) or 6.35mm x 19mm (¼"x ¾") self-tapping screw.



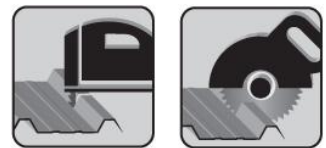
Important Notes

- 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.



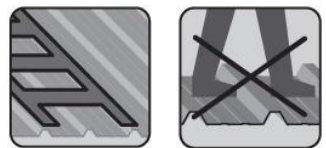
Fastening Tips

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



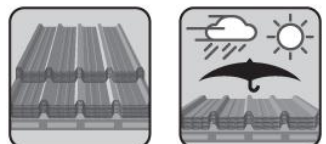
Safety

- 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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