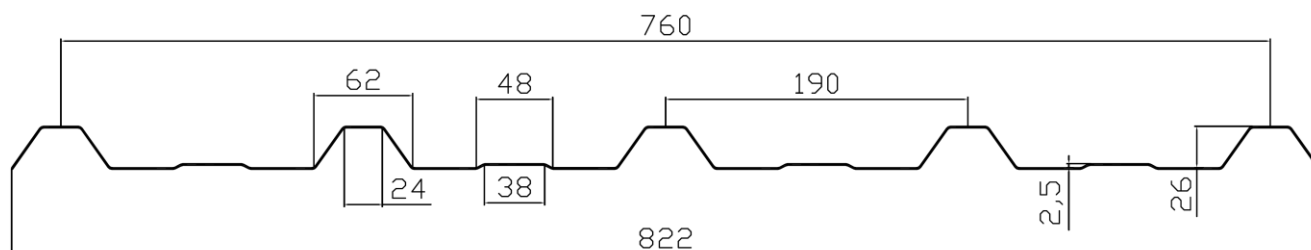


SUNTUF TRIMDEK (5000)



Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width (mm)	Side-Lap (%)	Min Curving Radius (m)
190/26	1.25	1.5 - 11.8	822	760	7.5	11

Load / Span Data

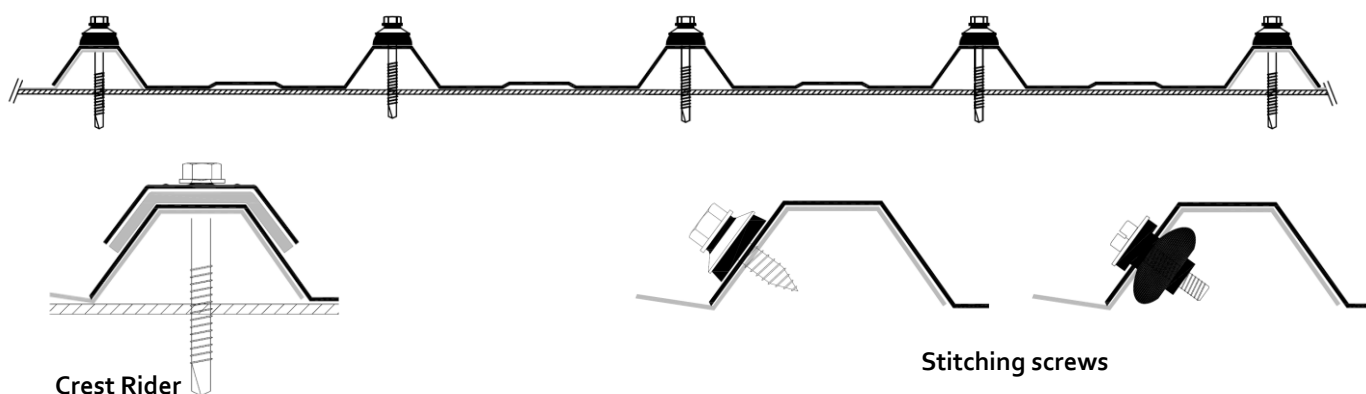
* High wind load

Load (KPa)	SUNTUF TRIMDEK - Maximum Roof Span (mm)	
	1.25 mm	
	End Span	Mid Span
0.75	1425	1900
1.00	1350	1800
1.25	1275	1700
1.50	1200	1600
1.75	1125	1500

Load (KPa)	SUNTUF TRIMDEK (5000) Maximum Roof Span (mm)	
	1.25 mm	
	End Span	Mid Span
4.25	488	650
4.5	480	640
4.75	473	630
5.0	465	620
5.25	458	610

- The specified dimensions do not supersede the requirements of local construction codes.
- The given spans are according to deflections criterion of $L/20$, and minimum slope of 5° (8.7%).
- The maximum roof spans are based on calculation model and practical testing.
- The mentioned load refers to wind and snow load only.
- For vertical application spans can be increased by 10%.

Fasteners Location



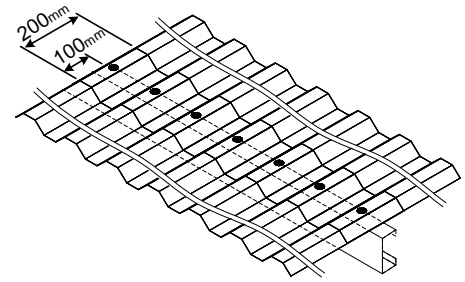
SUNTUF® INDUSTRIAL Installation Guide



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Panel Length

- Maximum recommended panel length - 7.2 m.
- Recommended longitude overlaps of 200mm above purlin.
- Each panel to extend 100mm over the fixings line on the purlin.
- Panels should overhang 50 - 150mm maximum beyond the last screw line.



▪ ***FOR LONG SHEETS - PLEASE REFER TO THE SPECIAL INSTALLATION GUIDE**

Positioning

- Roof Pitch should be 5° (87mm per 1000mm) or greater
- Make sure the UV protected side faces out.
- Remove sticker immediately after installation.
- Lay the SUNTUF panel to overlap metal panels on both sides.
- 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 on the adjacent panels side crests covered by the SUNTUF panel.
- Apply sealing tape along the bottom and top End-lap (if there is), 2 cm down slope screws centerline.



Fastening

- 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.
- Start fastening the screws on the lower edge purlin (End-lap), on each corrugation crest.
- Fasten screws at the internal and upper edge purlins, at each corrugation crest, starting at the same side.
- **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 .



Screws and Washers Specification

- **USE SUNTUF SCREWS**
- Crest fixing: Self-drilling - 6.35 mm x 63mm (2 ½") / 75mm (3") screw with EPDM gasket of 19mm diameter EPDM washer/gasket of 55-65 shore hardness.
- **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:** 9.5mm x 25mm Stitching Screws (Grommet seals) with EPDM seal or 6.35mm x 19mm (¼" x ¾") self-tapping screw with 19 mm diameter EPDM washer/gasket of 55-65 shore hardness.

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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.**



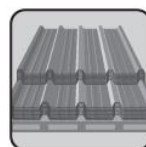
Safety

- 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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