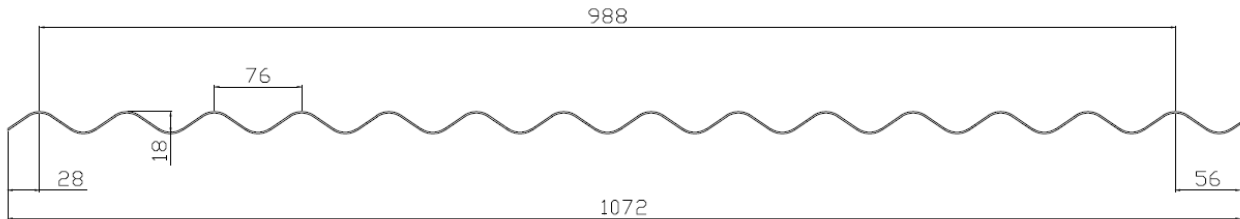


Profile Drawing



Profile Dimensions

Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width (mm)	Side-Lap (%)
76 / 18	1.3	1.5 – 11.8	1072	988	8

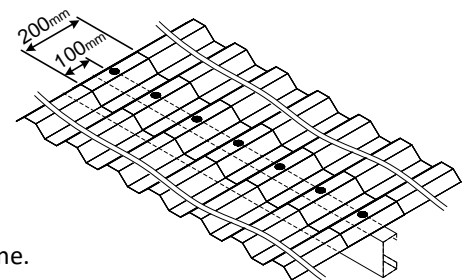
Load / Span Data

Load (kg/m ²)	Maximum Roof Span (mm)	
	1.3 mm	
	End Field	Mid Field
75	700	950
100	640	850
125	600	800
150	560	750
175	525	700
200	500	675

- 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 10%.
- 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%.

Panel Length

- Maximum recommended panel length - 7.0 m.
- Recommended longitude overlap 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 4.0 m.



SUNTUF® Technical Guide

Profile: Iron 76 1072



Positioning

- Make sure the UV protected side faces out.
- Apply one corrugation side-lap. Two corrugations side-lap is recommended for low roof slope and/or high wind areas.
- Side-lap of SUNTUF panels must be installed against the primary direction of rain.
- The SUNTUF panels must be located and installed without any stresses.
Do not pull, stretch or force the sheets when the profiles are not perfectly matched.
- SUNTUF sheets should overhang Min. 50mm and Max. 200mm beyond the last fixings line.



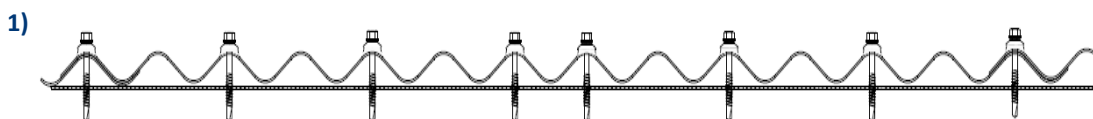
Fastening

- Apply sealing tape over the SUNTUF 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 (3).
- Start fastening the screws on the lower edge purlin (End-lap), as shown in the drawing (1).
- Fasten screws at the internal purlins as shown in the drawing (2).
- Fasten screws at the upper edge purlin, as shown in the drawing, starting at the same side (1).
- **Do not over-tighten!**
- Fasten the stitching screws at every 300 mm (4).

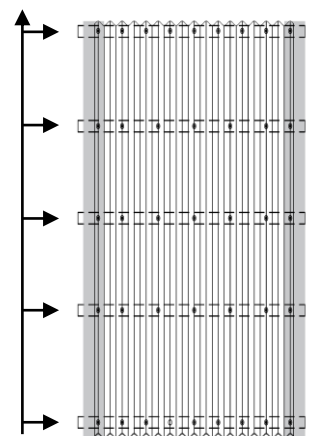
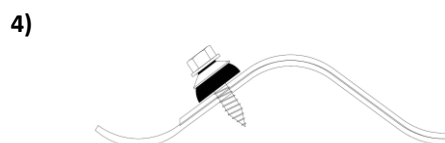
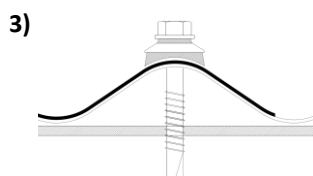
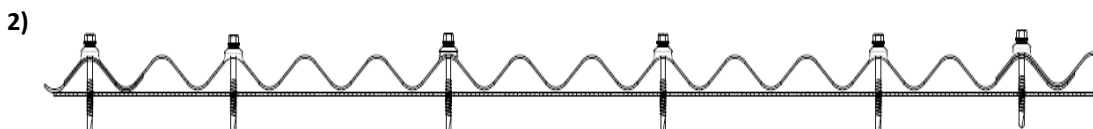


Fastening Location

Roof Fixing- Edges purlins



Internal purlins



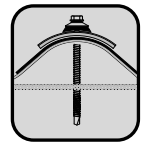
SUNTUF® Technical Guide

Profile: Iron 76 1072



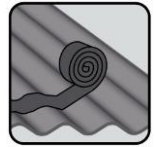
Screws and Washers Specification

- **Crest fixing:** Self-drilling 6.4mm x 38mm (¼" X 1½") screw + matched metal crest rider (Storm washers) with EPDM gasket **or** 19mm diameter- galvanized / aluminum / stainless metal washer attached to EPDM rubber gasket of 55 to 65 shore hardness.
- **Side Stitching:** 6.4mm x 25mm (¼" X 1") Stitching Screws (Grommet seals) with EPDM seal **or** 19mm diameter- galvanized / aluminum / stainless metal washer attached to EPDM rubber gasket of 55 to 65 shore hardness.



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 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 SUNTUF sheet.
- **Important: Do not over-tighten.**



Safety

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



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 or environment of chemicals.
- Protect the sheets from any physical damage.



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