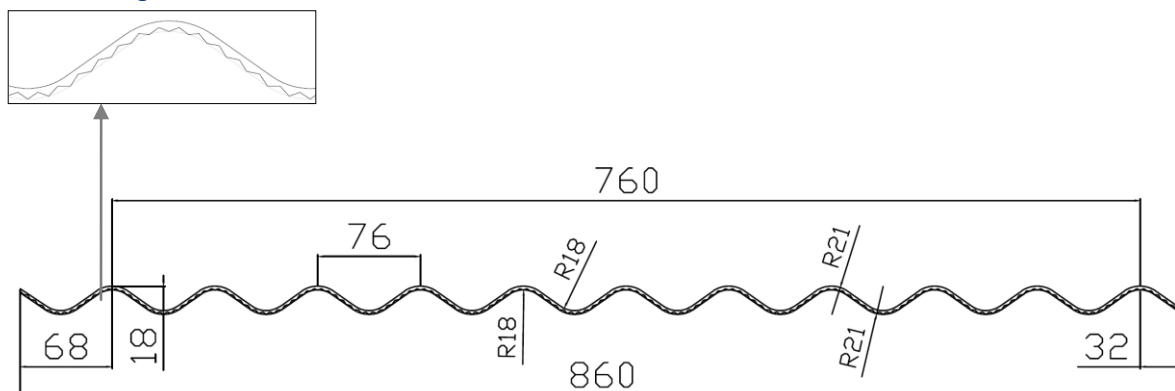


Profile Drawing



Profile Dimensions

Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width (mm)	Side-Lap (%)
76 / 18	2.8	1.8 – 7.2	860	760	11.6

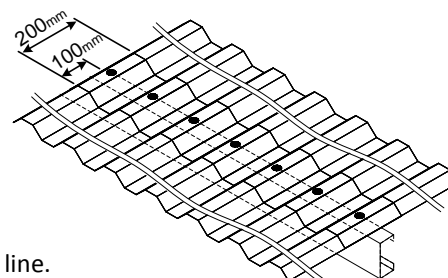
Load / Span Data

Load (kg/m²)	Maximum Roof Span (mm)
	2.8 mm
50	1400
75	1300
100	1200
125	1175
150	1150
175	1125
200	1100

- 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 7.0 m.



SUNTUF® Rooflights Technical Guide

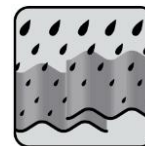
Profile: BH (Iron 76/18)



15/01/2019

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 should be installed against the primary direction of rain.
- The SUNTUF panels should be placed and installed without any stresses.
Do not pull, stretch or force the sheets when the profiles are not perfectly matched.



Sealing - Recommended

- 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), 2 cm down slope screws centerline or two tapes on both sides of screw centerline.



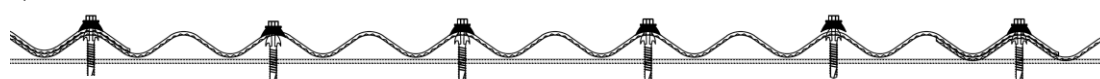
Fastening

- When not using Clearfix screws, Pre-drill 10mm holes at crests where screws are positioned.
- **Do not over-tighten!**
- Fasten screws at the upper edge purlin, through every other corrugation crest, starting at the same side (1).
- Start fastening the screws from the first lateral corrugation through the pre-drilled holes.
- Start fastening the screws on the lower edge purlin (End-lap), through every other corrugation crest (1).
- Fasten screws at the internal purlins, as shown in drawing (2), starting at the same side.

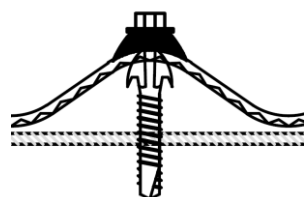


Fastening Location

1) External Purlins



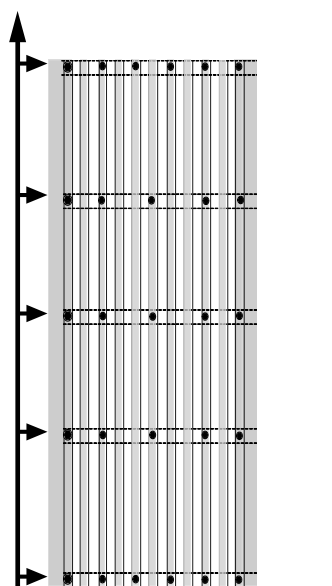
2) Internal Purlins



Clearfix Screw Screw

Screws and Washers Specification

- Crest fixing: Self-drilling clearfix screw 65mm x 14g.



SUNTUF® Rooflights Technical Guide

Profile: BH (Iron 76/18)



15/01/2019

Screws and Washers Specification-When not using Clearfix screws

On metal structure:

- Crest fixing: Self-drilling 6.5mm (¼") x 50mm (2") screw with 19/25mm diameter- galvanized / Aluminum / stainless metal washer attached to EPDM rubber gasket of 55 to 65 shore hardness.

On wood structure:

- Crest fixing: Self-tapping 6.5mm (¼") x 65mm (2.5") screw with 19/25mm diameter- galvanized / Aluminum / stainless metal washer attached to EPDM rubber gasket of 55 to 65 shore hardness.
- In areas with strong winds, when roof slope is low use storm washer with EPDM gasket.

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.**



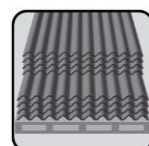
Safety

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



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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