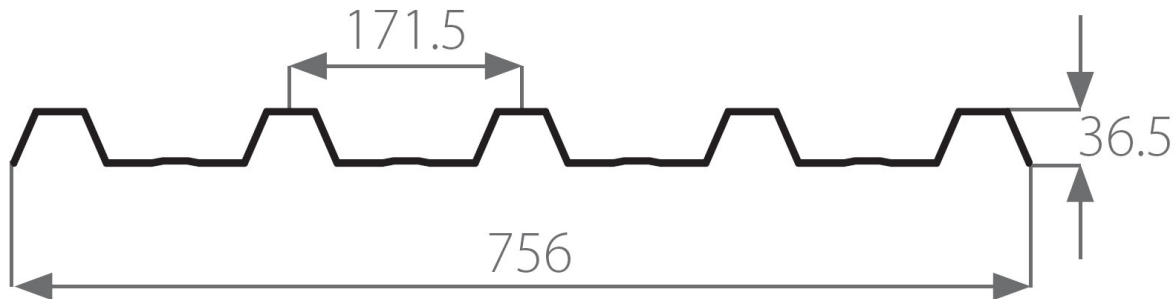


SUNTUF® Rooflights Technical Guide

Profile: 6500 IBR



Profile Drawing



Profile Dimensions

Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width (mm)	Side-Lap (%)
171.5 / 36.5	1.0 – 2.0	1.5 - 11.8	756	686	9.3

Load / Span Data

Load (kg/m ²)	Maximum Roof Span (mm)					
	1.0 mm		1.2 mm		1.5 mm	
	Mid Field	End Field	Mid Field	End Field	Mid Field	End Field
75	1700	1275	1800	1350	1900	1425
100	1600	1200	1700	1275	1800	1350
125	1500	1125	1600	1200	1700	1275
150	1400	1050	1500	1125	1600	1200

- The dimensions specified do not supersede the requirements of local construction codes.
- The maximum purlin spans is based on continuous beam setting, the panel's structural properties, according to allowed deflection of 1/20 of the span.
- For single span application use the end field column.
- The mentioned load refers to both wind and snow loads and intended for rooflights only.
- Minimum recommended slope – 10%.
- Maximum recommended panel length - 7.0 m.

Curved Roof

- Minimum curving radius 14.0 m.



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Positioning

- Make sure the UV protected side faces out.
- Lay the SUNTUF panel to overlap metal panels on both sides. If not feasible -
- SUNTUF Rooflight panels must underlap the metal roof panels against the primary direction of rain.
- The SUNTUF sheet 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.

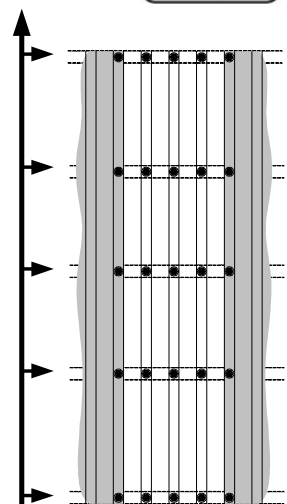
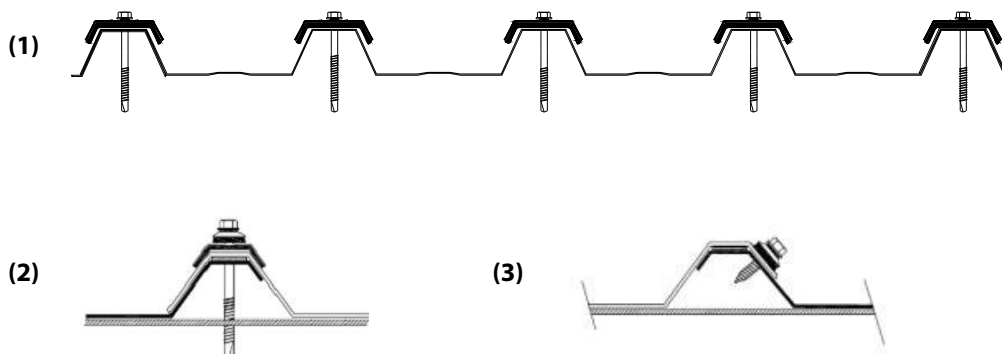


Fastening

- Apply sealing tape along the Side-Lap metal panel's corrugation crests, on both sides.
- Apply sealing tape over the side-sap SUNTUF panel corrugation crests, where covered the Metal 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 (2).
- Start fastening the screws on the lower edge purlin (End-lap), on each corrugation crest (1).
- Fasten screws at the internal and upper edge purlins, at each corrugation crest, starting at the same side (1, 2).
- **Do not over-tighten!**
- Fasten the stitching screws at the side-lap every 300-400 mm (3).



Fastening Location



Screws and Washers Specification

- Crest fixing: Self-drilling 5.5mm x 75mm (3") screw + matched metal crest rider (Storm washers) with EPDM gasket.
- Side Stitching: 5.5mm x 19mm (3/4") self-tapping screw with 19 mm washer/gasket.



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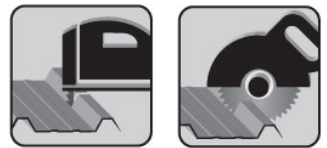
Important Notes

- 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 of the purlins.



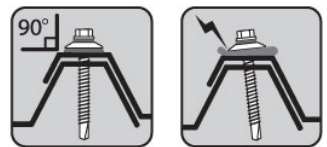
Cutting / Sawing Tips

- Table or Portable circular saw with small teeth.
- Jigsaw.
- When Sawing use high blade speed and slow feed rate.
- Support the sheet in the vicinity of the cut and clean dust and splinters away.



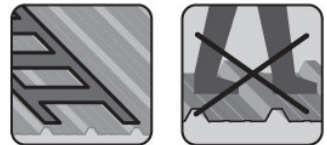
Fastening Tips

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



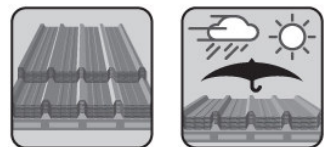
Safety

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



Handling and Storage

- Store in a 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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