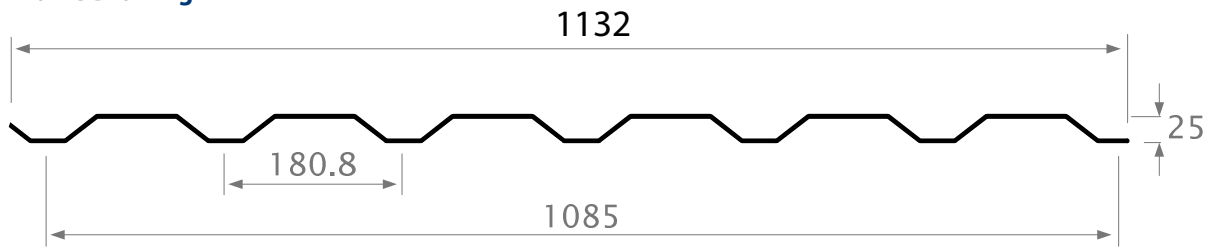


# SUNTUF® Sidelights Technical Guide

Profile: 6460 (L/50 loads data)



## Profile Drawing



## Profile Dimensions

Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width (mm)	Side-Lap (%)
180.8 / 25	1-1.5	1.5 - 11.6	1160	1085	6.5

## Load / Span Data

Load (kg/m <sup>2</sup> )	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
50	1200	900	1250	940	1300	975
75	1050	790	1100	825	1150	860
100	950	710	1000	750	1050	790
125	850	640	900	675	1000	750
150	800	600	850	640	950	710

- The specified dimensions do not supersede the requirements of local construction codes.
- The maximum purlin spans are based on continuous beam calculation model and practical testing.
- The criterion for allowed deflections is L/50.
- For horizontal rooflights refer to End Field column.

## 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 11.0 m.



# SUNTUF® Sidelights Technical Guide

Profile: 6460 (L/50 loads data)



## 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 panels must be located and installed without any stresses.



Do not pull, stretch or force the sheets when the profiles are not perfectly matched.

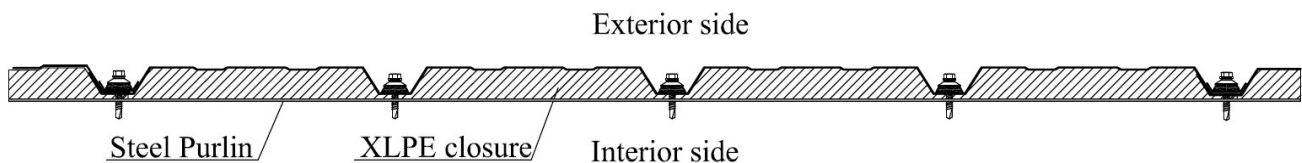
## Fastening

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

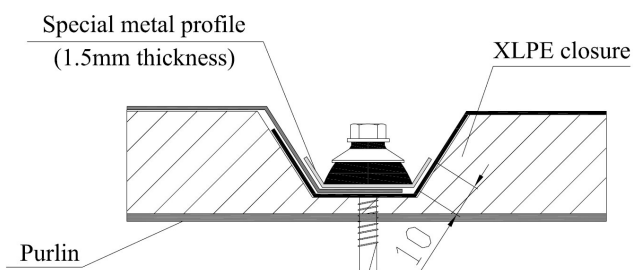


## Fastening Location

1)



2)



## Screws and Washers Specification

- Crest fixing: Self-drilling 5.5mm x 55mm (2") screw + 25mm diameter- galvanized / aluminum / stainless metal washer attached to EPDM rubber gasket of 55 to 65 shore hardness..
- Side Stitching: 5.5mm x 19mm (3/4") self-tapping screw with 19 mm washer/gasket.



# SUNTUF® Sidelights Technical Guide

Profile: 6460 (L/50 loads data)



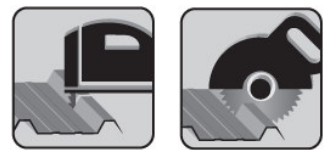
## Important Notes

- 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.



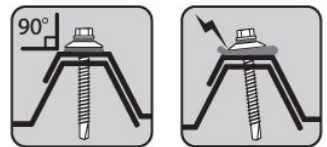
## Cutting Tips

- 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.**



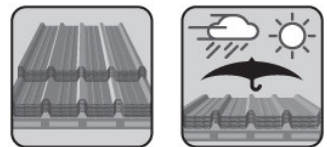
## Safety

- 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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