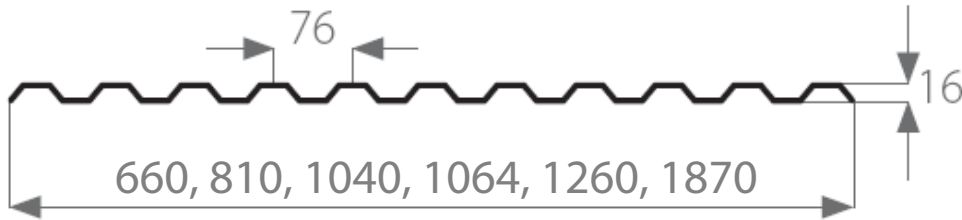


# SUNTUF® Technical Guide

## Profile: SUNTUF® Greca 76/16 (Greca/Trapeze)



### Profile Drawing



### Profile Dimensions

Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width (mm)	Side-Lap (%)
76 / 16	0.8	1.5 - 11.8	810	760	6.2
			1260	1216	3.4
			1870	1824	2.4

### Load / Span Data

Load (Kg/ m <sup>2</sup> )	50	80	110
Maximum Roof Span (mm)	1100	1000	900

- 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/20.
- In vertical walls the spans can be increased by 10%.
- The mentioned load refers to both wind and snow loads.
- Minimum recommended slope – 10%.
- Maximum recommended panel length - 7.0 m.

### Curved Roof

- Minimum curving radius 4.0 m.



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### Positioning

- Make sure the UV protected side faces out.
- 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.

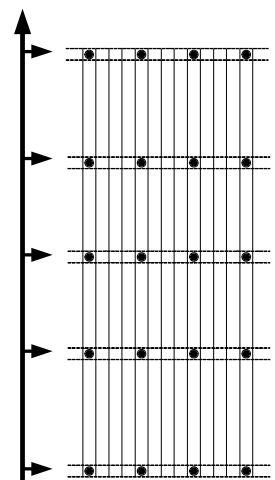
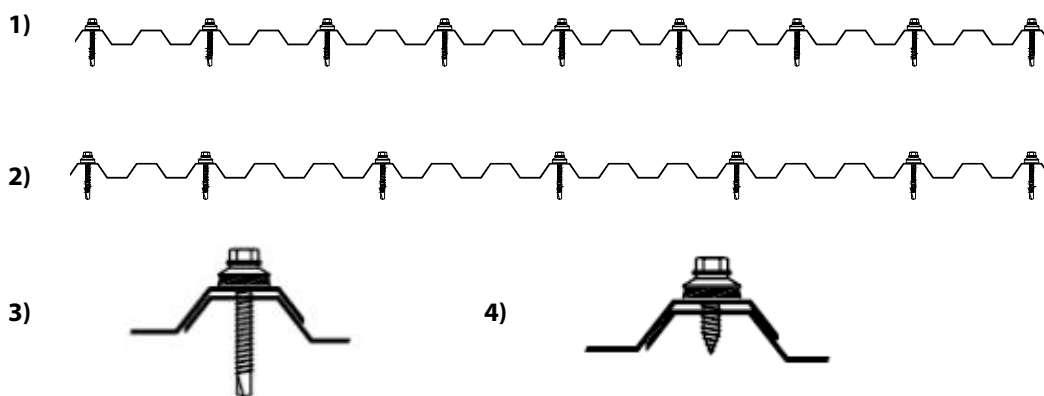


### Fastening

- 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), through every other corrugation crest (1).
- Fasten screws at the internal purlins, through every third corrugation crest, starting at the same side (2).
- Fasten screws at the upper edge purlin, through every other corrugation crest, starting at the same side (1).
- **Do not over-tighten!**
- Fasten the stitching screws at every 300 mm (4).



### Fastening Location



### Screws and Washers Specification

- Crest fixing: Self-drilling 5.5mm (1/4") x 40mm (1 1/2") 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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## Profile: SUNTUF® Greca 76/16 (Greca/Trapeze)



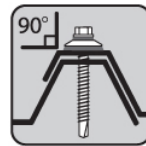
### Important Notes

- 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.



### Fastening Tips

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



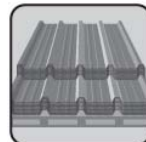
### Safety

- 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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