

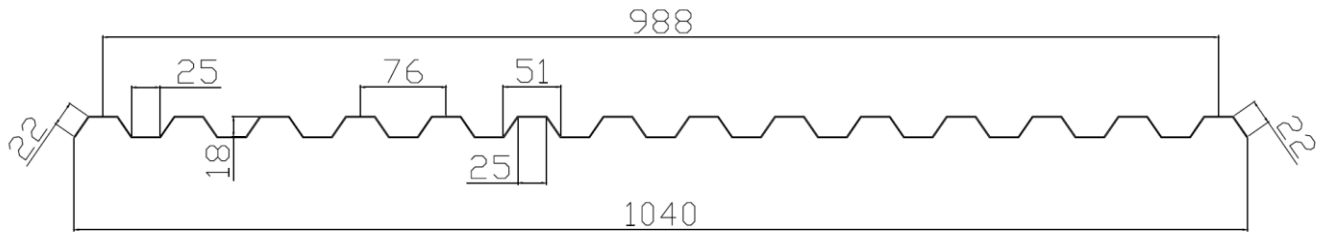
# SUNTUF® Technical Guide

## Profile: GRECA 76/18- 1040



12/06/2023

### Profile Drawing



### Profile Dimensions

Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width (mm)	Side-Lap (%)
76 / 16	0.8-1.5	1.5 - 11.8	1040	988	5

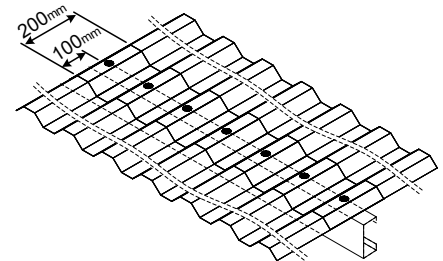
### Load / Span Data

Load (kg/m <sup>2</sup> )	Maximum Roof Span (mm)							
	0.8mm		1.0 mm		1.2 mm		1.5 mm	
	Mid Span	End Span	Mid Span	End Span	Mid Span	End Span	Mid Span	End Span
50	1075	810	1150	860	1225	920	1300	975
75	925	690	1000	750	1075	810	1150	860
100	850	640	900	675	975	730	1050	790
125	775	580	850	640	900	675	950	710
150	725	540	800	600	850	640	900	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%.
- For end field and single-span rooflights spans should be decreased by 25%.

### Panel Length

- Maximum recommended panel length - 7.0 m.
- Recommended longitude overlaps of 200mm above purlin.
- Each panel extends 100mm over the fixings line on the purlin.
- Panels should overhang Min. 50mm and Max. 100mm beyond the last fixings line.



### 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.

### Sealing

- When slope is lower than 10%:
- Apply sealing tape over the SUNTUF panel side-lap corrugation crests, where covered by the next panel or overlap 2 corrugations.
- 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.



### Fastening

- 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 valley (1).
- Fasten screws at the internal purlins, through every third valley, 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 overtighten!**

### Fastening Location

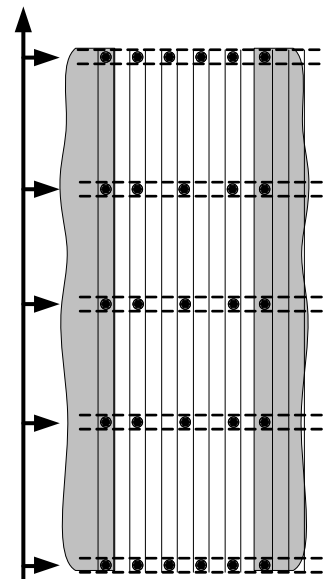
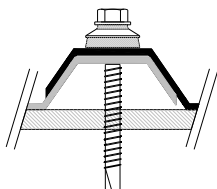
#### 1) Edge Purlins Fixing



#### 2) Internal Purlins Fixing



3)



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### Screws and Washers Specification

- **Crest fixing:** Self-drilling 5.5 / 6.4mm (#12/#14) x 40mm (1½") screw + Palram's 19mm EPDM washer.
- **Valley fixing:** Self-drilling 5.5 / 6.4mm (#12/#14) x 25.4mm (1") screw + Palram's 19mm EPDM washer.

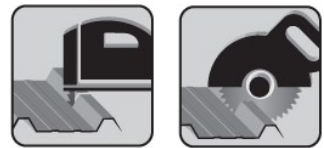
### Important Notes

- Use only PALRAM approved accessories, including EPDM rubber washers, silicones, sealing tape, closure fixtures etc.



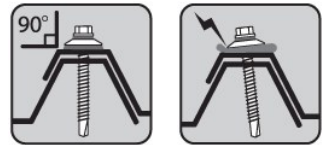
### Cutting Tips

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



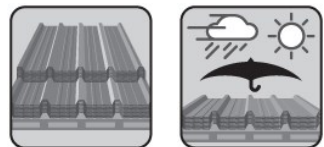
### Safety

- 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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