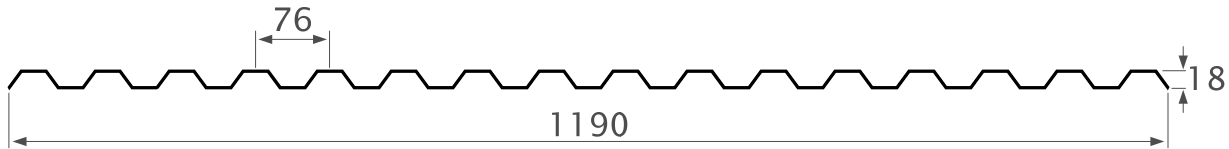


# PALRUF® Technical Guide

## Profile: Greca 76



### Profile Drawing



### Profile Dimensions

Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width (mm)	Side-Lap (%)
76 / 18	0.8 – 1.3	1.5 - 11.8	1190	1140	4.2

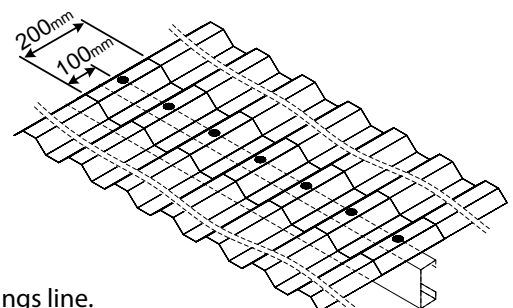
### Load / Span Data

Load (kg/m <sup>2</sup> )	Maximum Roof Span (mm)		
	0.8 mm	1.0 mm	1.3 mm
50	1000	1100	1200
75	900	1000	1100
100	800	900	1000
125	700	800	900
150	600	700	800

- 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.
- The mentioned load refers to both wind and snow loads.
- Minimum recommended slope – 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. 100mm beyond the last fixings line.



### Curved Roof

- Minimum curving radius 4.0 m.



# PALRUF® Technical Guide

## Profile: Greca 76



### Positioning

- Make sure the UV protected side faces out.
- Side-lap of PALRUF panels must be installed against the primary direction of rain.
- The PALRUF panels must be located and installed without any stresses.  
Do not pull, stretch or force the sheets when the profiles are not perfectly matched.

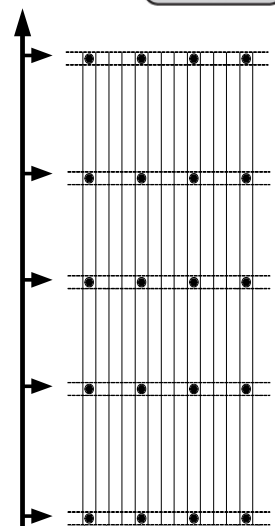
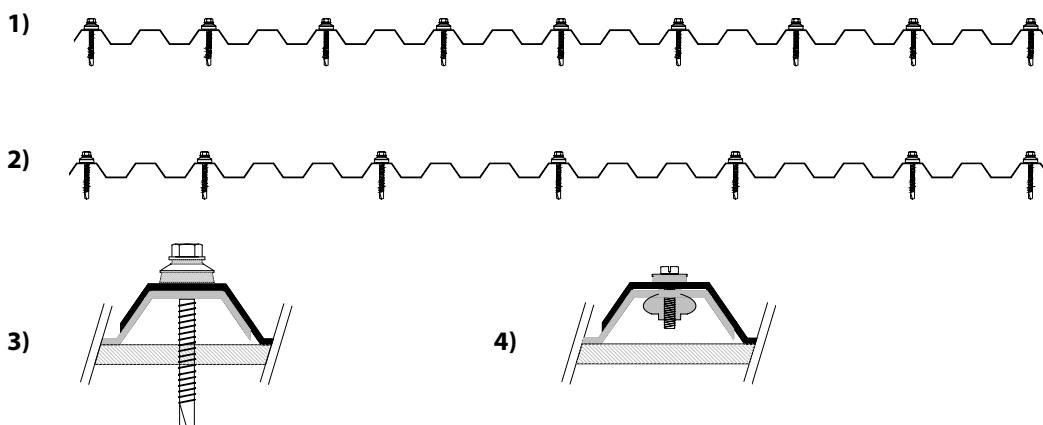


### Fastening

- Apply sealing tape over the PALRUF 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 25mm (1/4"x1") Stitching Screws (Grommet seals) with EPDM seal.



# PALRUF® Technical Guide

## Profile: Greca 76



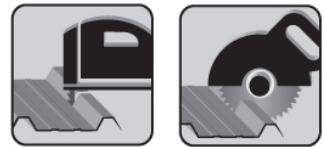
### Important Notes

- Use only PALRAM approved accessories, including EPDM rubber washers, silicones, sealing tape, closure fixtures etc.
- For clear PALRUF onto wooden purlins, apply white acrylic paint, or aluminum tape, in order to prevent over-heating of the purlins.



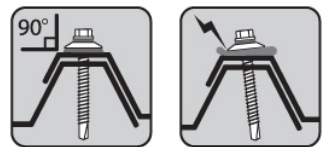
### Cutting Tips

- 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 PALRUF sheet.
- **Important: Do not over-tighten.**



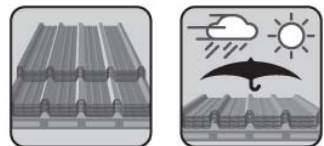
### Safety

- 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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