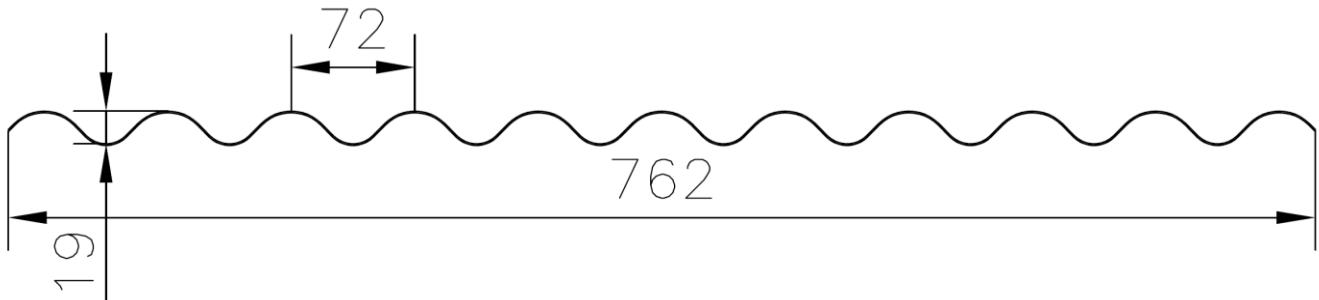


# PALRUF® Technical Guide

## Profile: PALRUF® 3"



### Profile Drawing



### Profile Dimensions

Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width (mm)	Side-Lap (%)
72/19	2.0-3.0	1.5 - 11.8	762	720	5.5

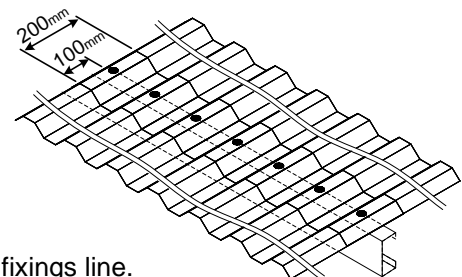
Load (kg/m <sup>2</sup> )	Maximum Roof Span (mm)					
	2.0 mm		2.5 mm		3.0 mm	
	Mid Field	End Field	Mid Field	End Field	Mid Field	End Field
50	1400	1225	1500	1325	1625	1400
75	1225	1075	1300	1150	1425	1225
100	1125	975	1200	1050	1275	1125
125	1025	900	1100	975	1200	1025
150	975	850	1050	925	1125	975

### Load / Span Data

- 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.
- In vertical walls the spans can be increased by 10%.
- 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. 150mm beyond the last fixings line.



### Curved Roof

- Minimum curving radius 6.0 m.



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### Positioning

- Apply one corrugation side-lap.
- 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.

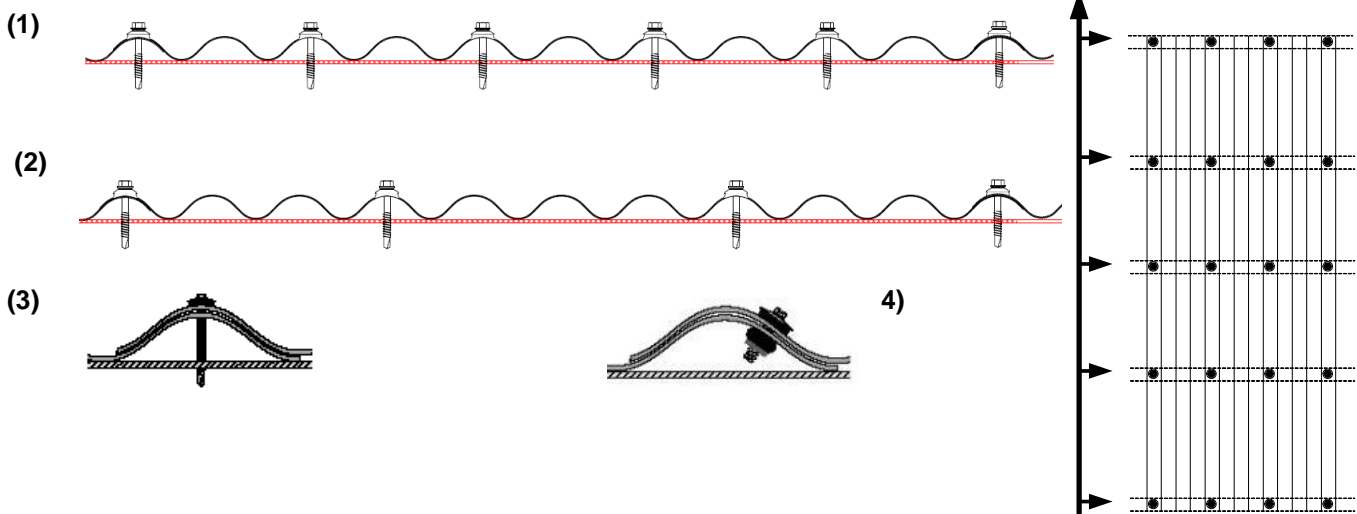


### Fastening

- 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

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- Crest fixing: Self-drilling 5.5mm (1/4") x 65mm (2 1/2") screw + matched metal crest rider (Storm washers) with EPDM gasket or 19mm diameter- galvanized / aluminum / stainless metal washer attached to EPDM rubber gasket of 55 to 65 shore hardness.
- Side Stitching: 5.5mm x 25mm (1/4"x1") Stitching Screws (Grommet seals) with EPDM seal.



### 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 SUNTUF sheet.
- **Important: Do not over-tighten.**



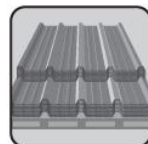
### Safety

- 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.
- Cover PALRUF stack with white opaque covering.
- Avoid covering the sheets with heat absorbing materials.
- Avoid contact or environment of chemicals.
- Protect the sheets from any physical damage.



# PALRUF® Technical Guide

## Profile: PALRUF® 3"

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