

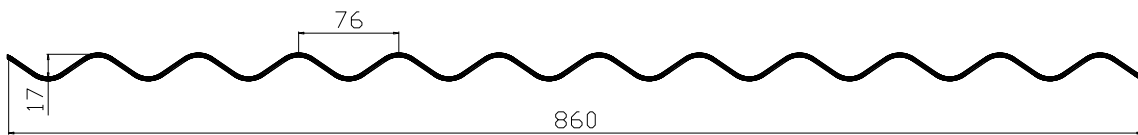
SUNTUF® Technical Guide

Profile: Corri (Iron 76)



14/07/2021

Profile Drawing



Profile Dimensions

Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width (mm)	Side-Lap (%)
76/17	0.8	1.8-7.2	860	760	11.6

Load / Span Data

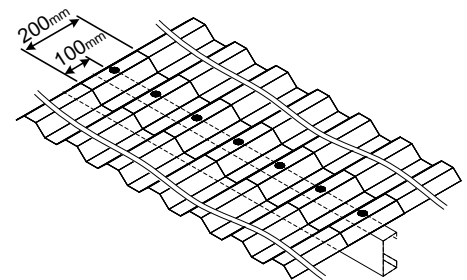
Maximum Purlin Span		
Load/ Kpa	Mid Span (mm)	End Span (mm)
1	1000	800
1.5	600	480
2	500	400

For high wind areas, please contact our local office for further support.

- 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 5° .
- 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%.

Panel Length

- Maximum recommended panel length – 7.2 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 to Max. 150mm beyond the last screw fixings line.



Curved Roof

- Minimum curving radius 4.0 m.



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Positioning

- Make sure the UV protected side faces out.
- Apply noise stop (purlin tape) on all purlins.
- Apply one corrugation side-lap.
- Two corrugations side-lap is recommended for low roof slope and/or high wind areas.
- Side-lap of SUNTUF panels should be installed against the primary direction of rain.
- The SUNTUF panels should be located and installed without any stresses.

Do not pull, stretch or force SUNTUF panels while positioning and installing.



Fastening

- **in case of NOT using** Clearfix or One-shot screws, Pre-drill 10mm holes at crests where screws are positioned.
- Start fastening the screws from the first lateral corrugation through the pre-drilled holes.
- Start fastening the screws on the lower edge purlin (End-lap), through every other corrugation crest (1).
- Fasten screws at the internal purlins, as shown in drawing (2), starting at the same side.
- Fasten screws at the upper edge purlin, through every other corrugation crest, starting at the same side (1).
- **Do not over-tighten!**

Fastening Location

1) Edge Purlins Fixing



2) Edge Purlins Fixing

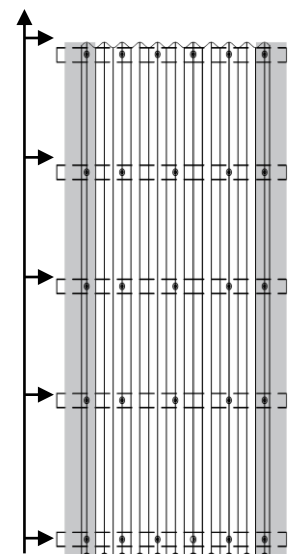
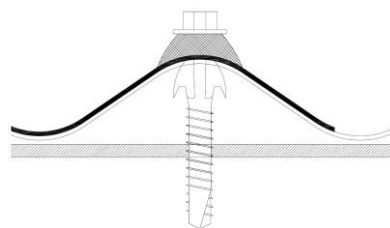


Screws and Washers Specification

- Crest fixing: Self-drilling Clearfix screw 50mm x 14g.



Clearfix Screw Screw



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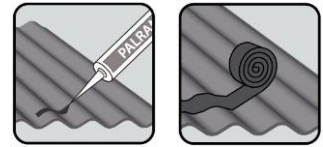
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Important Notes

- Use only PALRAM approved accessories, including EPDM rubber washers, silicones, sealing tape, closure fixtures etc.
- Apply noise stop (purlin tape) on all purlins.



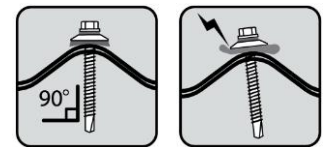
Cutting Tips

- 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.**



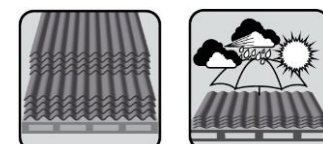
Safety

- Do not step directly on the panel.
- Use stepping boards.
- Work according to local safety regulations codes.



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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