

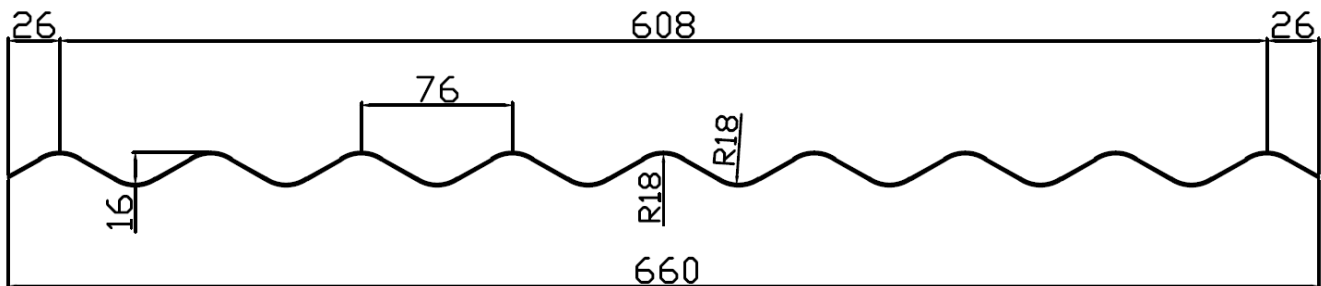
Cool-Top Technical Guide

Profile: PVC Iron 76 - 660



17/08/2017

Profile Drawing



Profile Dimensions

Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width (mm)	Side-Lap (%)
76 / 16	1.0	1.5 – 7.0	660	608	7.9

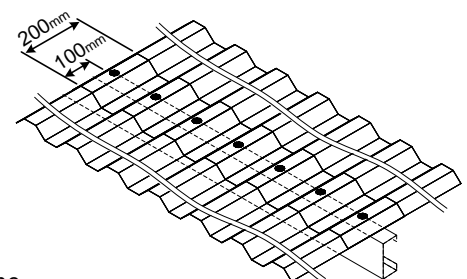
Load / Span Data

Load (kg/m ²)	1mm thickness-Maximum Roof Span (mm)	
	Mid Span	End Span
50	1000	750
75	900	675
100	800	600
125	750	560
150	700	525

- 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%.

Panel Length

- Maximum recommended panel length - 7.0 mtr.
- 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 4.0 mtr.



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Positioning

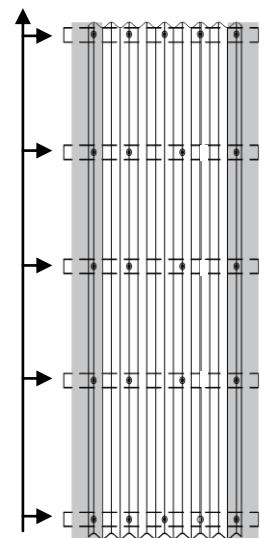
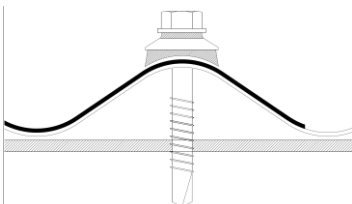
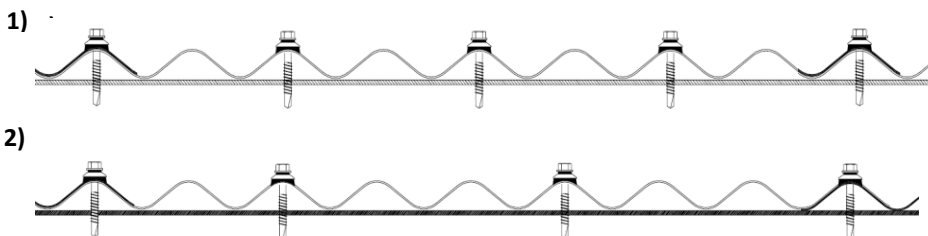
- Make sure the UV protected side faces out.
- Apply one corrugation side-lap.
- Two corrugations side-lap is recommended for low roof slope and/or high wind areas.
- Side-lap of COOL TOP panels should be installed against the primary direction of rain.
- The COOL TOP panels should be located and installed without any stresses.
Do not pull, stretch or force SUNTUF panels while positioning and installing.



Fastening

- **In case of not** using Clearfix or One Shots 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 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



Screws and Washers Specification

- OneShot® & Clearfix screws 50mm Class 4 coating, Self Drilling Screws can save up to 50% installation time.

Clearfix screws
50mm



OneShot® Screws
50mm



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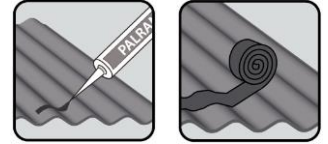
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Important Notes

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



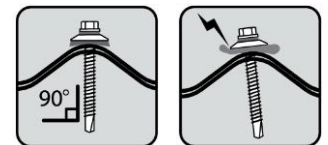
Cutting Tips

- Use handsaw or circular saw.
- 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 COOL-TOP sheet.
- **Important: Do not over-tighten.**



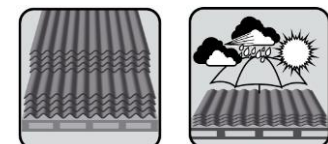
Safety

- Do not step directly on the panel.
- Use stepping boards - spread over rows of purlins.
- Work according to local safety regulations codes.



Handling and Storage

- Store in a dry shaded place, protect from direct sunlight and rain.
- Cover COOL-TOP 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.
- After installation keep sheets free of dust.
- Sheets should be cleaned frequently with a water hose.



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