

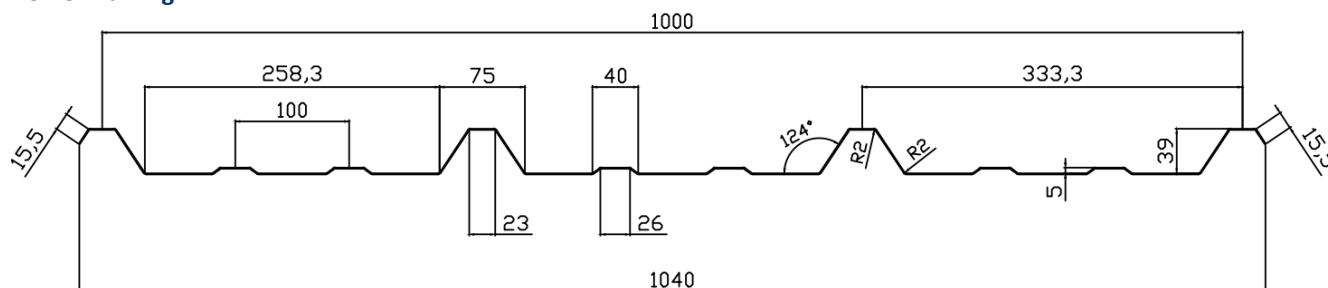
SUNTUF® Rooflights Technical Guide

Profile: 3702 (Coveo 3.39 1040)-L/50



11/05/2023

Profile Drawing



Profile Dimensions

Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width (mm)	Side-Lap (%)
333 / 38	1.0 – 1.5	1.5 – 11.6	1040	1000	3.9

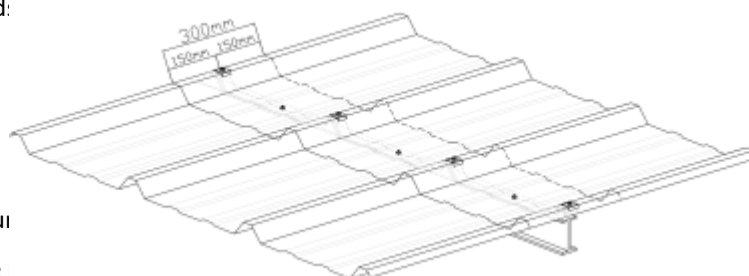
Load / Span Data

Load (kg/m ²)	Maximum Roof Span (mm)					
	1.0 mm		1.2 mm		1.5 mm	
	End Span	Mid Span	End Span	Mid Span	End Span	Mid Span
50	1050	1200	1100	1250	1200	1350
75	900	1050	950	1100	1050	1200
100	800	950	850	1000	950	1100
125	750	850	800	900	850	1000
150	700	800	750	850	800	950

- 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/50.
- The mentioned load refers to both wind and snow load:
- Minimum recommended slope – 10%.

Panel Length

- Maximum recommended panel length - 7.0 m.
- Recommended longitude overlaps of 300mm above pui
- Each panel extends 150mm over the fixings line on the
- Panels should overhang Min. 50mm and Max. 150mm beyond the last fixings line.



Curved Roof

- Minimum curving radius 15.0m.



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Positioning

- Make sure the UV protected side faces out.
- Lay the SUNTUF panel to overlap metal panels on both sides. If not feasible -
- SUNTUF Rooflight panels must underlap the metal roof panels against the primary direction of rain.
- The SUNTUF sheet must be located and installed without any stresses.

Do not pull, stretch or force the sheets when the profiles are not perfectly matched.

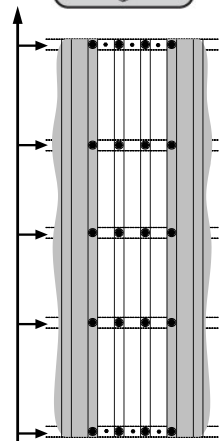
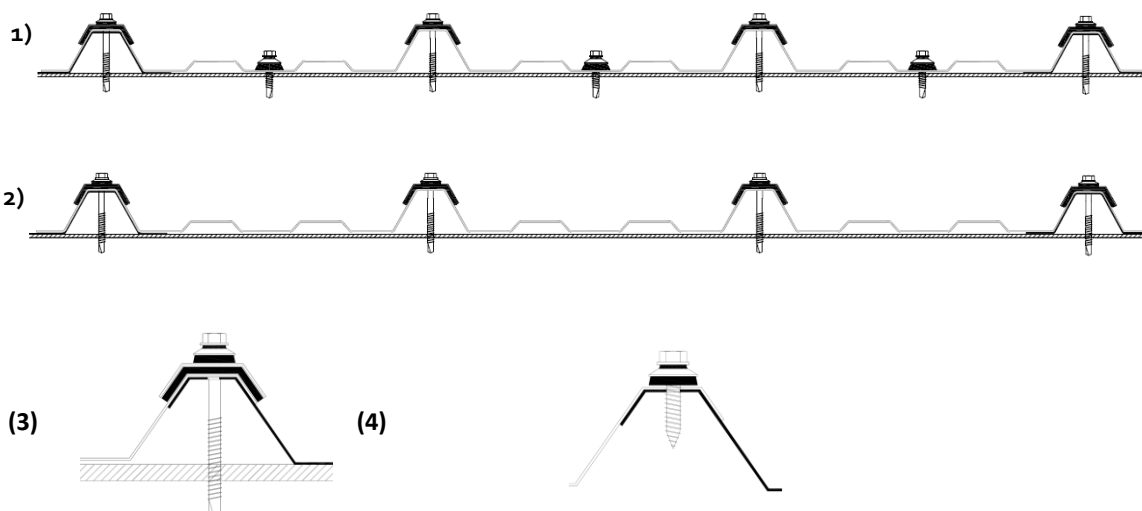


Fastening

- 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 upper edge purlin (End-lap), through every other corrugation crest (1) and at the middle of each valley.
- Fasten screws at the internal purlins, through every corrugation crest, starting at the same side. (2)
- **Do not overtighten!**
- Fasten the stitching screws at every 300-400 mm (4).



Fastening Location



Screws and Washers Specification

- Crest fixing: Self-drilling 6.35mm (¼") x 50mm (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.
- Valley fixing: Self-drilling 5.5mm (¼") x 25.4mm (1") screw EPDM gasket or 25mm diameter.
- Side Stitching: 6.35mm x 19mm (¾") self-tapping screw with 19 mm washer/gasket.



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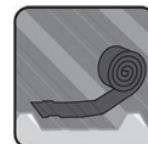
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Important Notes

- Use only PALRAM approved accessories, including EPDM rubber washers, silicones, sealing tape, closure fixtures etc.
- For clear SUNTUF 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 overtighten.**



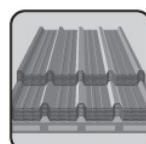
Safety

- 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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