

Assembly manual for PolDeck TD

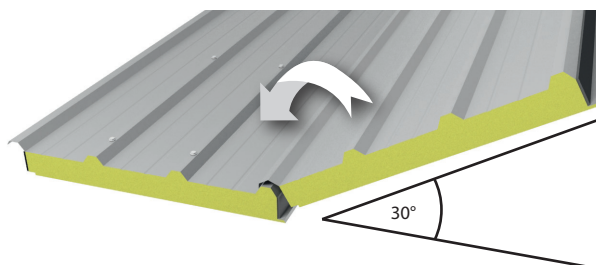
PolDeck TD panels are intended for the use on roofs with slope angle $\geq 4^\circ / 7\%$.

Panels that are joined lengthwise or mounted with skylights must have a slope angle $\geq 6^\circ / 10\%$.

Unless there is an indentation for joining along the length, PolDeck TD panels can be installed from the left side of the roof to the right and vice versa, and on gable roofs simultaneously on both slopes.

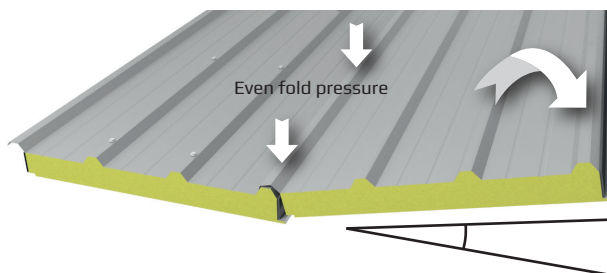
The first assembly step after checking the purlins and sticking the acoustic tapes on them is to **remove the protective film** and set the start plate with **the fold outside the top**. Then the first panel is aligned with the structure, marking a straight line running through the entire building in the eaves. Possible differences in tolerances on the length of the PolDeck TD panels may take place in the ridge. If the roof is gabled, the left and right roof panels must not touch each other. The recommended distance is 40 mm (measured from the bottom facings), minimum is 20 mm. After fixing the first panel, each subsequent panel is mounted by angling (original angle of approx. 30°) and lateral pressure.

1 Place the fold completely on the trapezoidal profile of the already mounted panel.



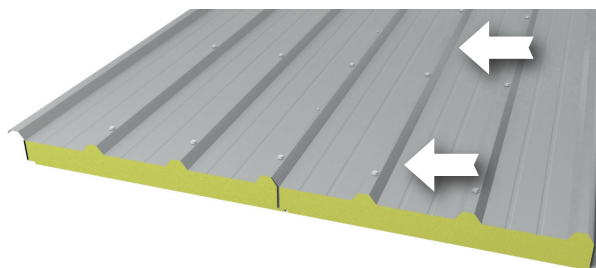
Determining the fold position at an angle of 30°

2 Protecting the fold reduce the angle by lowering the panel that is being mounted towards the purlins.



Reducing the angle by lowering the panel

3 Check the longitudinal placement of the panels and, if necessary, push them along the entire joint lengthwise.



Pressure on the panel along the contact length to stress the gasket.

4 Mount the panel with self-drilling screws with a suitable protective coating of type 500, 1000 or made of A2 / A4 steel, selected for the thickness of the panels as well as the wall thickness and type of construction in quantities:

- edge and corner zone (gable wall and first purlin / murlat): in every hump and in every purlin
- roof central zone: at least 2 pcs in each purlin along the width of the panel
- upper seam of the fold: at least 2 sheet metal screws on the distance between the purlins
- side seam of the fold: sheet metal screw every 300 mm

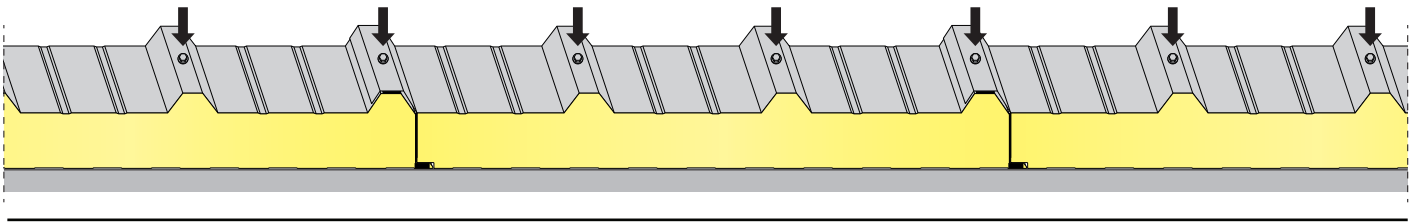
Screws with gaskets are recommended for assembly. Minimum purlin widths: 40 mm extreme, 60 mm middle.

Caution: After assembly is finished **all metal shavings** left on the surface of the panels must be removed!

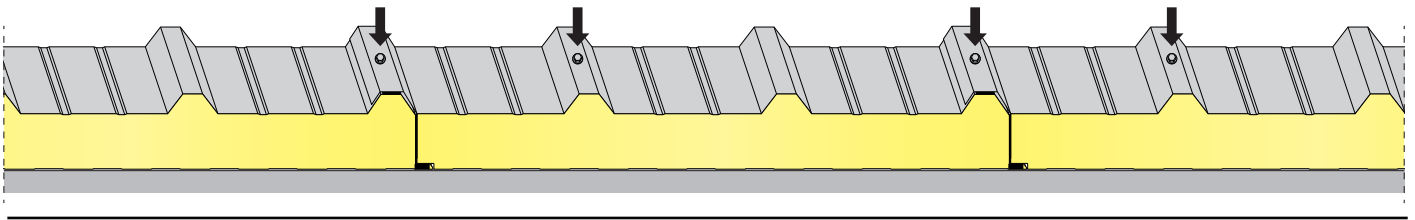
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Number and position of screws

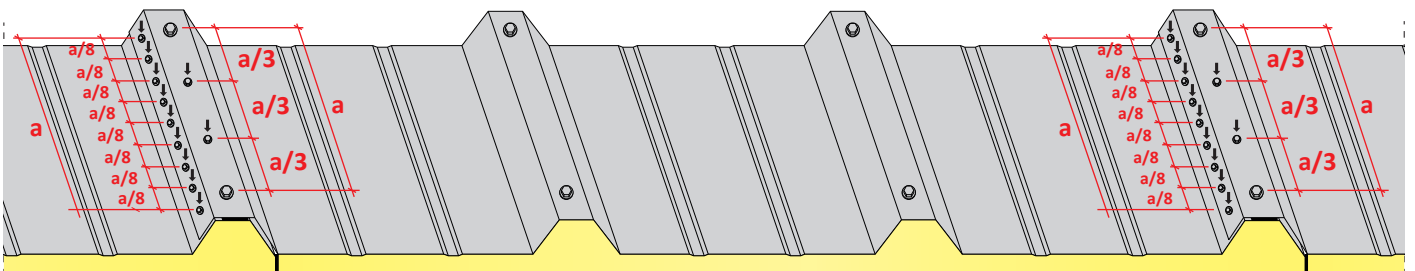
- **Edge zone** (gable and first purlin / wall plate): self-drilling screw with every hump and every purlin. Self-drilling screws secure the panel to the structure. The maximum span lengths (distance between purlins) are specified in the strength tables.



- **Roof middle zone:** 2-3 self-drilling screws in each purlin along the width of the plate.



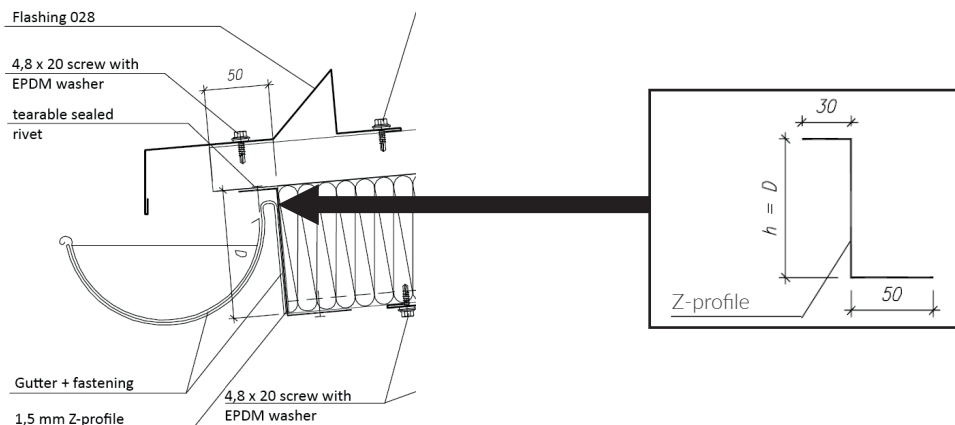
- **Seam the folds of the overlap:** if the length of the span is a , then at $a/3$ distance put a sheet metal screw at the top of each fold (upper seam). Make side seam using sheet metal screws spaced $a/8$ apart.



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6

Eave



PolDeck TD panels with an indentation of 50 mm for the gutter fastened by a Z-profile (fig. above). The whole can be covered from above by a 028 treatment which is also a snow barrier and an eave, attached to each upper wave of trapezoidal crease.

The standard solution usually uses closing C-profile 009 or in reinforced version 009B and eave 003 from EuroPanels flashing catalogue. The remaining space of visible polyurethane in the roof plate humps should be sealed with a 034 cover as shown on the picture.

