

Stratos is one of the most beautiful roof tiles on the market. It's a practical and strong roof covering with the traditional ceramic roof tile look. The perfect choice if you would like to combine strength and design.

Stratos is produced in high quality steel. Compared to other roof coverings it has an advantage of the very low weight. A weight of approx. 5kg/m² makes it easy to handle and mount.

Stratos is precovered with numbers of layers with the important zinclayer as a base. The roof tile is offered in various surfaces and colours.

PREPARATIONS

Measure the roof's diagonals to check that the roof is straight. Variations of up to 30mm is handled by the roofside fittings. If you have bigger variations the roof should be corrected. Check that the roofpaper is ok. If not you need to repair this and also the wooden planks. Check that the roof is even. Decide of numbers of sheets and different length.

GENERAL ADVICES

Cutting

Use nibbler for cutting. Never use grinding tools as this will damage the surface of the steel sheets.

Surface repair

If damages occurs during mounting these should be repaired with appropriate improvement paint. All cutting edges should be painted.

Walking on the roof

Use soft shoes when walking on the roof. Always step in the lower part of the profile and always on a point over the mounting beams. Make sure that the sheet is fixed with screws before walking on it. Never leave the roof with loose sheets on it.

Storing during short period

Store the bundles with sheets min. 200 mm over the ground. The sheets should also be stored with an angle so that water could be drained. Cover the bundles with plastic and make sure that proper ventilation is achieved under the plastic.

Storing during longer period

Storing longer times should be inside in a dry warehouse.

Roofangle

Measure the angle of the roof. The angle should be minimum 14 degrees.

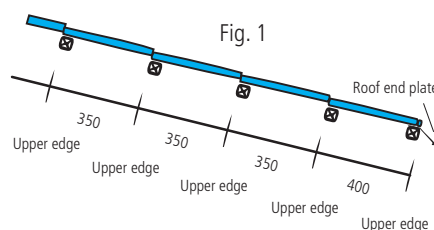
Cleaning

After mounting it is important to remove all dust and rest products from cutting and drilling.

MOUNTING

1. Recommended beam distance

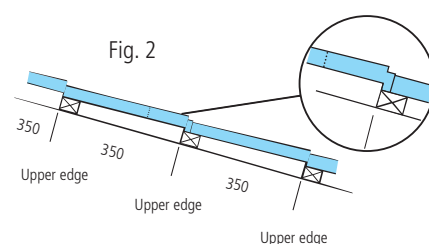
Use beams of approx. 25x38 mm and ribs of 25x25 mm. The ribs should be mounted with c/c 600 mm. The beams as figure 1.



To make the work easier you could mark the positions for the beams on the ribs.

2. Overlap

When the length of roof requires more than one sheet you mount with overlap as per figure 2.



Make sure that the last beam is parallel to the roofridge.

3. Overlap

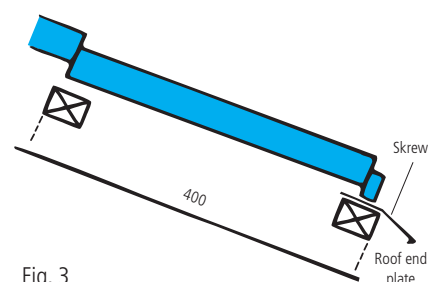


Fig. 3

When needed make hole in the beam for the gutterbrackets before mounting the roof end plate. Mount the roof end plate provisionally with nails. Final mounting is done when you mount the steel sheet with screws. The overlap should be minimum 60 mm.

4. Mounting order

Mount the sheets from right to left. When using multiple sheets in length please mount as in figure 4.

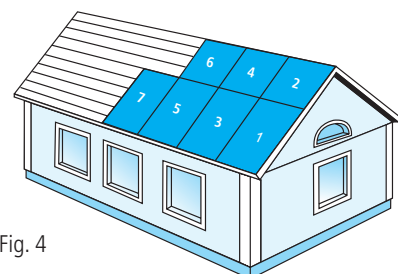


Fig. 4

Use lower beam as indicator for first sheet. It is very important that the first sheet is mounted correctly for the whole installation. Check how the last sheet will end at the other side and decide whether you should cut some part also from first sheet. Press the overlap sheets properly against the underlap sheets to avoid gaps.

5. Fastening

Use prepainted galvanised screws (self drilling) 4,8 x 35 mm. For mounting in beams of steel use prepainted drill screw 4,8 x 20 mm. Use power driver. Place screws as per figure 5.

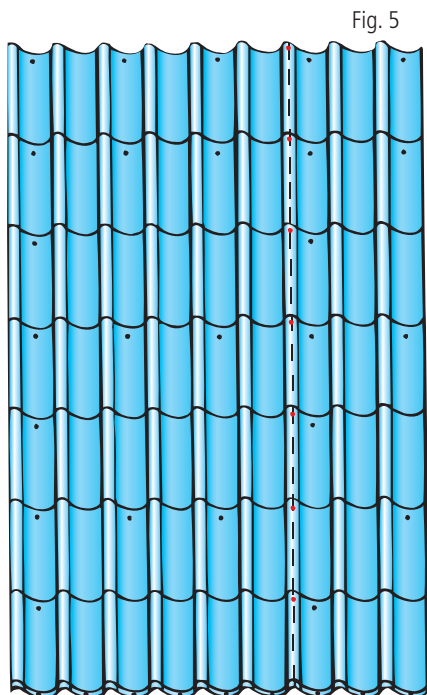


Fig. 5

Place screws at every second lower part of profile and also every second tile. At the roof end and also along the overlap place screw in every lower part of profile.

6. Roofridge

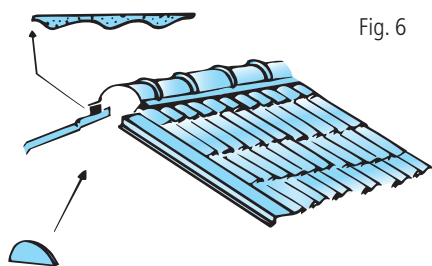


Fig. 6

First mount the roofridgeend in the first roof-ridge. Align the roofridge and mount with screws in every second top of profile. Also mount the weatherstrip at the same time. The roofridge should be mounted with overlap screws (self drilling) 4,8 x 20 mm.

7. Roodsides

Align the roofside plates as in figure 7A. If you need to cut the rooftiles in the lower part of the profile along the roofside you should have a bend to get same height as top of profile (see figure 7B). The roofside plates are mounted with overlap screw (self drilling) 4,8 x 20 mm. The roofside plates are mounted with an overlap of 100 mm.

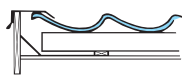


Fig. 7A

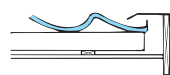


Fig. 7B

8. Roof angle plate

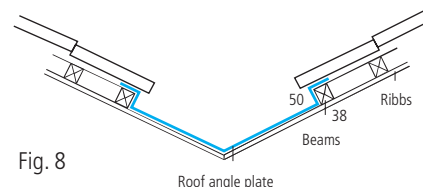


Fig. 8

The overlap between the roof angle plates should be minimum 200 mm and it should be sealed with filler. The roof angle plate is mounted with nails in the lower beam c/c 300 mm.

Combination table for Stratos in standard lengths

400 mm, 1100 mm, 2150 mm, 3550 mm

Using											Effective length, mm
1	x	400									400
2	x	400									750
1	x	1100									1100
1	x	400	+	1	x	1100					1450
2	x	400	+	1	x	1100					1800
1	x	2150									2150
1	x	400	+	1	x	2150					2500
2	x	400	+	1	x	2150					2850
1	x	1100	+	1	x	2150					3200
1	x	3550									3550
1	x	400	+	1	x	3550					3900
2	x	400	+	1	x	3550					4250
1	x	1100	+	1	x	3550					4600
1	x	400	+	1	x	1100	+	1	x	3550	4950
2	x	400	+	1	x	1100	+	1	x	3550	5300
1	x	2150	+	1	x	3550					5650
1	x	400	+	1	x	2150	+	1	x	3550	6000

etc.

Product information

Covering width:	1100 mm
Profile height:	24 mm (+ 16 mm i in tile step)
Thickness:	0,40 - 0,50 mm
Weight:	4,40 kg/m ² (0,5 mm)
Length:	400 - 6000 mm
Standard length:	400, 1100, 2150, 3550 mm
Step length:	350 mm
Overlap:	50 mm
Coatings:	Polyester 25 µm Matt polyester 35 µm KARAT, Structured KARAT 45 µm