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bringing steel to life

Cirrus Roof
Mounting Instructions

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

Cirrus 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/m^2 makes it easy to handle and mount.

Cirrus is precovered with numbers of layers with the important zinclayer as a base. The rooftile 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 occures during mounting these should be repaired with appropriate improvement paint. All cutting edges should be pained.

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

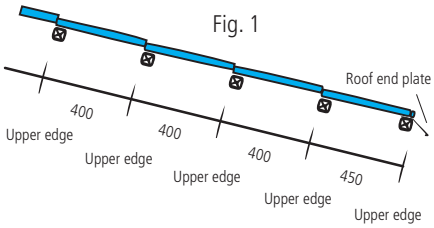
After mounting it is important to remove all dust and rest products from cutting and drilling.

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.

Fig. 1

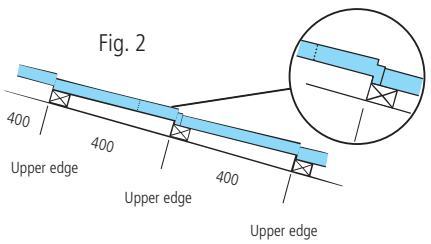


To make the work easier you could mark the positions for the beams on the ribs.

2. Overlap

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

Fig. 2



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

3. Overlap

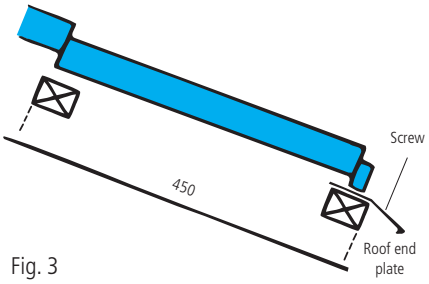


Fig. 3

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.

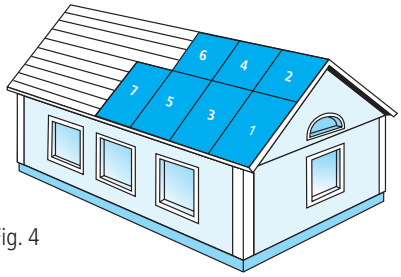


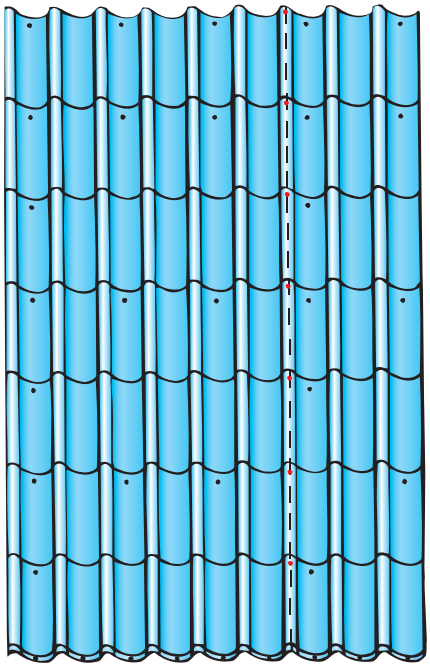
Fig. 4

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.

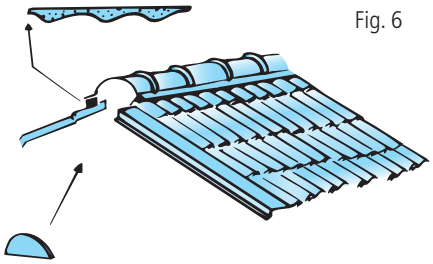
Fig. 5



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 roofridge. 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.

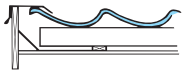


Fig. 7A

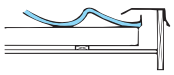


Fig. 7B

8. Roof angle plate

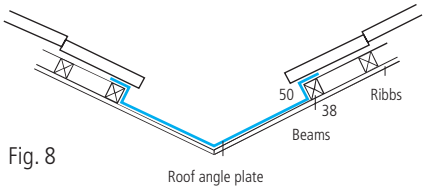


Fig. 8

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 Cirrus in standard lengths
450 mm, 1250 mm, 2450 mm, 4050 mm

Using											Effective length, mm
1	x	450									450
2	x	450									850
1	x	1250									1250
1	x	450	+	1	x	1250					1650
2	x	450	+	1	x	1250					2050
1	x	2450									2450
1	x	450	+	1	x	2450					2850
2	x	450	+	1	x	2450					3250
1	x	1250	+	1	x	2450					3650
1	x	4050									4050
1	x	450	+	1	x	4050					4450
2	x	450	+	1	x	4050					4850
1	x	1250	+	1	x	4050					5250
1	x	450	+	1	x	1250	+	1	x	4050	5650
2	x	450	+	1	x	1250	+	1	x	4050	6050
1	x	2450	+	1	x	4050					6450
1	x	450	+	1	x	2450	+	1	x	4050	6850

etc.

Product information

Covering width:	1100 mm
Profile height:	24 mm (+ 20 mm i in tile step)
Thickness:	0,40 - 0,50 mm
Weight:	4,40 kg/m² (0,5 mm)
Length:	400 - 6000 mm
Standard length:	450, 1250, 2450, 4050 mm
Step length:	400 mm
Overlap:	50 mm
Coatings:	Polyester 25 µm
	Matt polyester 35 µm
	KARAT, Structured KARAT 45 µm

Please contact your local sales representative for more info.