

# What is a Solartag



A Solar roof consists of 6 components, which together give the roof a uniform, aesthetic appearance. The 6 components make up a climate screen with integrated, invisible solar cells for the production of electricity. It is possible to tailor the distribution of active and inactive plates to the need. You can choose to have a “fully active” roof, but typically we recommend dimensioning according to consumption and the location of the roof in relation to the sun’s path across the sky.

## ACTIVE SHEET

Hardened glass sheet with integrated solar cells. The special satination ensures extremely low glare. 1 sheet produces 71Wp. 1 bypass diode per sheet. 2,25 sheet makes 1 m<sup>2</sup>. Lath spacing from 37,5 - 39,5 cm. This sheet is not customizable.

## INACTIVE SHEET

Hardened glass sheet without integrated solar cells. The special satination ensures extremely low glare. This sheet is used instead of active sheets, in areas with shade or north facing roof surfaces. This sheet is not customizable.

## ½ INACTIVE SHEET

Hardened glass sheet without integrated solar cells in half size. The special satination ensures extremely low glare. This sheet is used for for strecher bond effect by the wind shear. This sheet is not customizable.

## WARRANTY

80+ years life expectancy – tested by The Danish Technological Institute.  
40 years warranty as climate screen.  
25 years warranty on solar cells performance (≥ 80%).

## Weight

A Solartag is a lightweight roof at 14,1 kg/m<sup>2</sup>

A Solartag is a ventilated roof, which requires roof sheating with moisture membrane. With roof pitch over 15° a normal felt underlay is required. With roof pitch under 15°, a fixed underlay is required.

## CUTTING SHEET

Sandwich sheet in aluminium, with mono-coloured composit core. This sheet is used in areas, where half or whole sheets can fit, as well as breakthroughs i.e. roof caps, chimneys, roof windows etc. This sheet is easily cut with circular saw or angle grinders.

## ROOF RIDGE SHEET

Sandwich sheet in aluminium, with mono-coloured composit core. This sheet has a milling in the center, that allows the sheet to be bent from 0-60° and thus be adapted to most roof ridges. This sheet is easily cut with circular saw or angle grinders.

## T-HOOK, BRACKET + RAILING

Our patented T-Hook ensures easy assembly without the use of screws in the Solartag. T-Hooks with ALU bracket and rubber strip are placed on the laths. In this fitting, the Solartag sheets are placed directly and interlocked by the following rows.

## COLOR

All Solartag sheets are colored in RAL 9004. Due to the differences of the materials (glass and ALU/ composit) a roof, that combines more than one type of sheet can periodically be experienced with color variance, due to extreme sun and heat conditions.

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DANISH DESIGN & QUALITY