

# INSTALLATION GUIDE

Solar support, mounted on aluminium base tile for interlocking clay tiles



## CONTENTS OF THE PACKAGE



**Solar support** (base plate, support head, M8x25 V2A hexagonal screw, M8 V2A nut)



- 2 pcs of 6x120 mm TX 25 A2 screw for profiled interlocking tiles
- 2 pcs of 6x100 mm TX 25 A2 screw for flat interlocking tiles

## REQUIRED FOR THE INSTALLATION



**Aluminium base tile** (matching with the tile model and its color) 2 pcs of countersunk screws (5x60 mm A2) in the back side



Screws for the board  
Min. 6 x 120 mm A2 flat head screws



Board, 30x160 mm  
At least S10/C24



Nail sealing or sealing plate

**i** Note: The aluminium base element mounted with the solar support was tested according to Ö-Norm M7778 with the screws and torque specified in the instructions. The values were met according to the standard and the prescribed partial safety factor. If the installation of the solar support differs from that described in the guide and from CREATON's information, the load capacity according to the applicable standard can no longer be guaranteed in terms of wind pressure and suction force, as well as snow load.

CREATON solar supports are not suitable for fixing solar panels on buildings higher than 25 meters.

The solar supports cannot be used for stepping on the roof or as an attachment point for anti-fall harnesses!



The position of the additional board must be determined according to the platform of the aluminum base element so that the center of the platform is in the center line of the board. To help with correct positioning, the center line of the board and the platform of the sub-element can be marked.



The board is fixed to the rafters with 2 x 6x120 mm A2 countersunk head stainless screws. The upper screw must be screwed in at 60°, while the lower screw must be screwed in at 90°, keeping a distance of at least 30 mm from the edge of the board.

**i** Note: When using above the rafter insulation, a longer screw (which corresponding with the insulation thickness) should be used



The aluminium base element is placed on the roof battens just as a roof tiles.



Fasten the aluminium base element to the roof batten with countersunk head stainless screws (2 pcs of 6x60mm included in the back side of the base tile) through the corner hole.



5

Fasten the aluminum base element to the board with the countersunk head stainless screws included in the package: 2 pcs 6x120 mm (profiled interlocking tiles) or 2 pcs 6x100 (flat interlocking tiles). Seal the screw heads with sealing tape.

**i** Note: Due to the position of the platform, it is not possible to screw all 2 screws (6 x 120 mm/ 6 x 100 mm) into the board for all tile types. We took this into account when measuring the load.



7

The head of the support is attached to the base plate with the hex head screw and M8 nut included in the package.

**i** Note: The head of the support must be adjusted to be parallel with the rafters. The screw connection must be tightened with a torque of 16 Nm.



6

The base plate of the solar panel must be fixed with the M8 nut belonging to the aluminum base panel.

**i** Note: The nut must be tightened with a torque of 16 Nm.



8

Place the roof tiles around the supports