

# Mechanical tile installation of solar





## Overview

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How to install solar tiles?

Use stainless screws (supplied). Remember Hole 1 depending on the stringing layout. Remove the diagonal foam strip (not shown here) from the tile by the roof edge. Use white spirit not required. Ridge Tile Fitting: The way the solar tiles lap means that there is a significant step at the ridge.

How do you install solar panels on a roof?

Use support bars on their sides. These are fixed to every second batten just above the support bars as shown. Use two screws to maximise the solar coverage. If the roof doesn't end on a whole tile then supply blank tiles for cutting. These may be cut with a woodworking saw, and mounting and replacing individual tiles. Use pliers to remove the screws.

Can solar roof tiles produce energy?

Research has shown its promise, with firms like Tesla developing solar roof tiles capable of producing up to 22 W per square foot under ideal circumstances. Simultaneously, TGA tiles exploit energy from thermal differentials, often using the Seebeck effect to transform heat gradients into electrical energy.

What size solar tiles do I need for a slate roof?

250 - 265mm Inline Arrangement. Generally\* when installing a patch of solar tiles within a slate roof the inline arrangement should be used for ease of installation - see picture. (It is possible to use the staggered arrangement, though it is a little more difficult).



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