



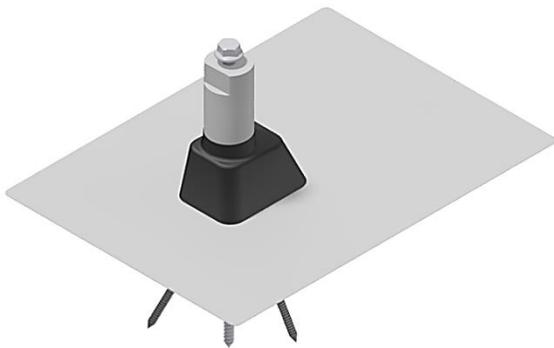
INTRODUCING THE TOPTILE™ MOUNT SYSTEM

No more lifting roof tiles, broken tiles or finding rafters! SunModo is proud to introduce the world's first PV mounting system that is mounted entirely above the tiles. The flexibility of the mounting system allows installation on the ridge of the tiles, thereby providing superior waterproofing performance.

The TopTile™ Mount System gives the installer the option of mounting to the rafter, or without locating the rafter mounting directly to deck. The foremost advantage to using the TopTile Mounts is that well-constructed tile roofs are not deconstructed. No pulling tiles, unseating battens and no leaving unsealed fasteners in the membrane. The TopTile Mounts can be attached to any concrete, clay, stone, fiberglass, rubber, or stone tile roofs per International Code Council (ICC) building codes.

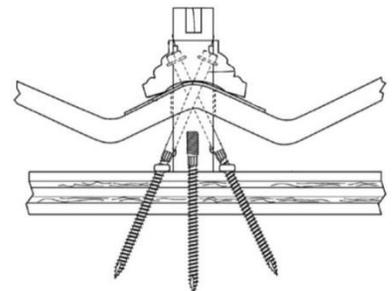


Under the tile lifetime weatherization is achieved, in the Rafter Mounting option of the TopTile Mount, with an intergraded EPDM sealing washer. Rafter Mounting is recommended for flat tile types where the rafters can be seen from the eave. Locating the rafters from above the tile will be easier in that case; and flat tile affords an opportunity for adjustment when rafters are bowed or misaligned. In the case of elevated battens or higher profile tiles using the Tripod Mounting option of the product is ideal. Sealing and securing the underlayment where the tripod screws pierce into the deck is performed with spray polyurethane foam (SPF).



With any tile roof penetration the ICC code requires a moldable flashing be utilized to prevent water infiltration. The TopTile Mount includes a hand formable flashing along with an EPDM boot which provides superior leak protection.

The cutaway drawing shows the patented tripod screw mounting system of the TopTile Mount. The mounting stanchion has a center screw in the base to tap into the sheathing or rafter. Three anchoring screws are then drilled into the roof decking using the tripod holes in the stanchion as a guide. The mount has a pullout rating of 225 lbs. when mounted into as little as 7/16 sheathing or CDX.





TopTile Mount Options:

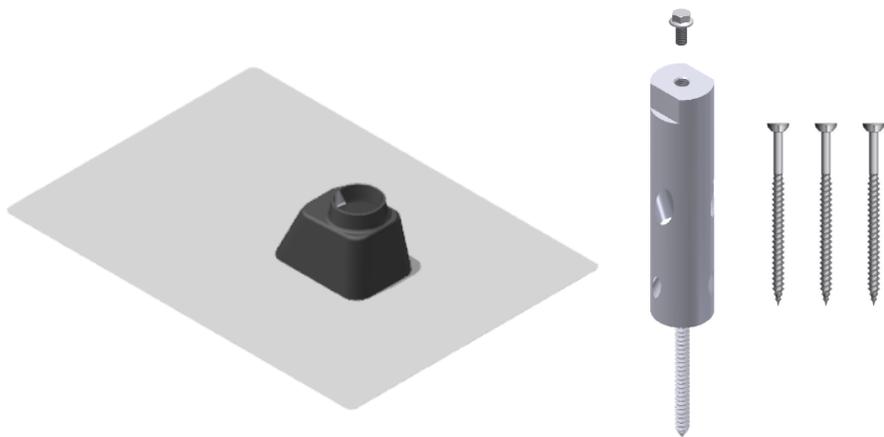
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| <p>Rafter Mounting System: Available heights: 5” and 7”. These Stanchion Mounts can be used for direct rafter Installation. Flat tiles allow lateral flexibility to locate the rafter. 6” and 8” can be achieved with 1” spacer.</p> |  |
| <p>Deck Mounting System: Available heights: 5” and 7”. These TopTile Mounts are used for shaped tiles or flat tiles to mount directly into roof decking without removing tiles. 6” and 8” can be achieved with 1” spacer.</p> |  |

Key Features and Benefits:

- No more lifting and grinding tiles, broken tiles, and ill-fitting roof hooks and mounts.
- The entire installation is done from above the roof without the need to remove any tiles.
- Mounting stanchion can always be mounted on a tile ridge independent of rafter location.
- Hand bendable flashing which can be formed to match any tile profile is provided.
- A combination of stanchion and thread fasteners create a stable mounting platform.
- Works with 90% of the tile roof types.

Mounting equipment to tile roofs can be very labor intensive. Generally, roof tile must be removed in order to secure the mounting bracket to the roof. The TopTile Mount system offers decreased installation time by eliminating the need to deconstruct and then reconstruct the tile roof. A reduction of materials, a cost savings, is possible when placing stanchions at the optimal spacing defined by your structural engineer for a whole racking solution.

Recognizing the difficulty in mounting PV systems on the great variety of tile roofs, SunModo has invented a solution that will work on 90% of the tile roof types you may encounter, and the entire installation is done from above the roof, without removing any tiles.



All the components shown are included in the TopTile Mount Tripod Kit.

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