TileTrac®

Intertek 4007217

MADE IN U.S.A. PRODUCT

UL2703*

Concrete Roof Tile Structural Attachment

TileTrac® was mechanically tested to the UL2703 standard and waterproof tested to the ASTM D7349 test method by Nationally Recognized Test Laboratories.

TileTrac® for flat concrete tile
(6" Tall Threaded Stud)
Part # TT-18-T6

TileTrac® for flat concrete tile
(4" Tall Threaded Stud)
Part # TT-18-T4

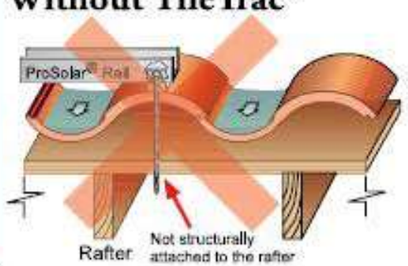
Benefits of TileTrac®

- Easiest and lowest cost waterproof tile roof attachment
- Aluminum and Stainless Steel components for maximum corrosion resistance and strength
- 3rd party lab waterproof and load tested
- Triple seal design at underlayment and top of tile
- Includes Stainless Steel tile flashing and lag bolt
- UL2703 system tested with ProSolar® RoofTrac® rail to 45 psf (3X minimum UL2703 standard)
- Includes aluminum subflashing for double flashing
- Over 20 years of industry preferred single lag bolt design

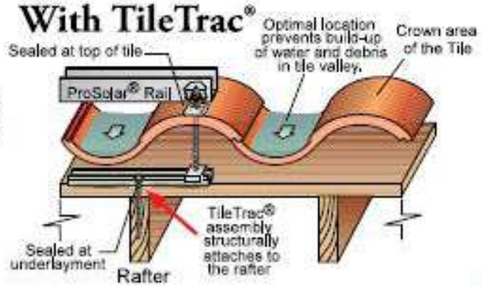
The TileTrac® Design

Structurally attaches to roof rafter and allows the ProSolar® RoofTrac® rail attachment stud to be located at the strongest area of the tile (the crown area) where water does not flow.

Without TileTrac®



With TileTrac®



*As load tested with the ProSolar® RoofTrac® Rail and Clamping System

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www.prosolar.com

Installation steps for both s-curve and flat concrete tile*

per UL2703 reference installation

STEP 1: Select a tile in the area of the roof rafter.

STEP 2: Remove the tile by pushing and pulling. It is usually held in place by a small nail.

STEP 3: Using an electronic stud finder (recommended), or other means, locate the rafter center. Mark a reference point on the tile above.

Step 4: Seal the initial tile nail hole. Using a 3/16" drill bit and drill guide (FJ-Drill), drill pilot hole along the rafter center.

Step 5: Insert the lag bolt and washer through the TileTrac® and apply fresh compatible sealant to the base.

Step 6: Fasten lag screw until seated. Do not overtighten. The sealant should flow outward sealing any holes.

Step 7: After bolting the base to the roof, slide the upper carriage into the correct position under the crown of the tile. For flat tile, slide the upper carriage near the middle of the tile.

Step 8: Install subflashing and seal as needed if double flash is desired.

Step 9: Replace the tile by lining up the snap lines and mark the drill location accordingly.

Step 10: Using a 1/2" carbide drill bit and ROTARY HAMMER DRILL in hammer mode, drill through the tile. See online video at www.prosolar.com for details.

Step 11: Insert threaded stud through tile and hand-tighten to engage with base. Bind two 3/8" nuts (included) using 9/16" wrenches and tighten.

Step 12: Unbind nuts and remove from stud. Apply sealant around stud at tile opening and compress with Stainless Steel flashing (included) until seated.

Step 13: Fasten rail with lower and upper 3/8" nuts/washers as shown.

*Not recommended for clay or slate tiles. TileTrac® tested and approved for use only with the ProSolar® RoofTrac® rail mounting system.

Roof Trac®

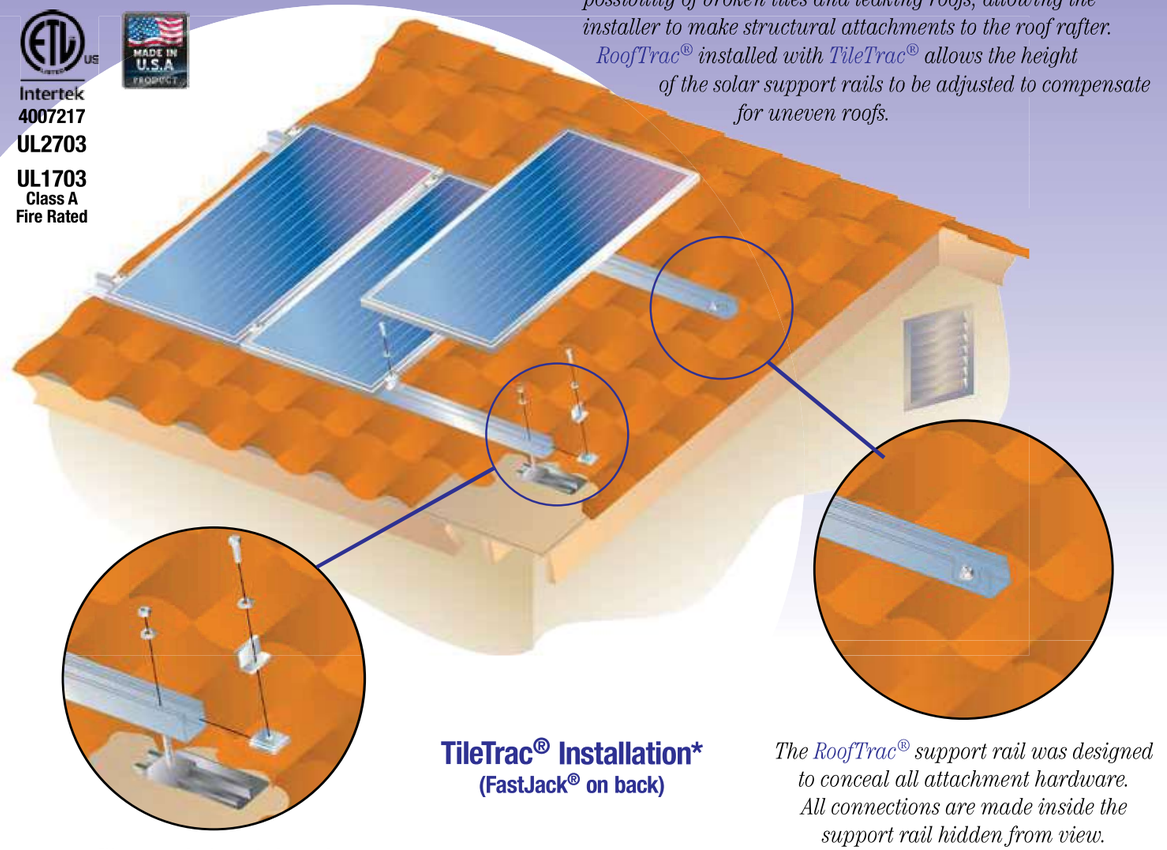
Patent #6,360,491

The Original "Top-Down" PV Mounting System.

Intertek
4007217
UL2703
UL1703
Class A
Fire Rated

Integrated with TileTrac® attachments

The patented RoofTrac® rail/clamp system installed with the TileTrac® attachment method provides an ideal solution for mounting on a concrete tile roof. TileTrac® reduces the possibility of broken tiles and leaking roofs, allowing the installer to make structural attachments to the roof rafter. RoofTrac® installed with TileTrac® allows the height of the solar support rails to be adjusted to compensate for uneven roofs.



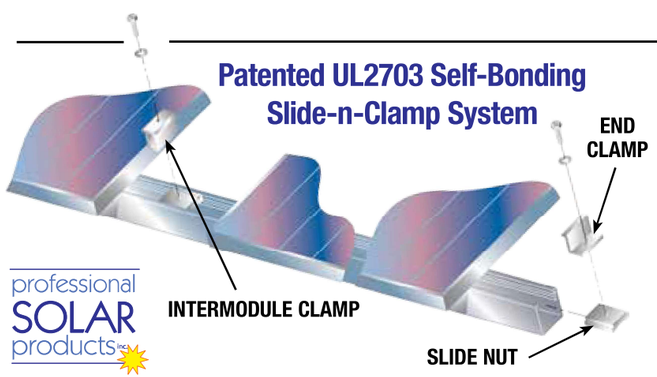
Illustrated above is how the TileTrac® attachment seamlessly integrates with the RoofTrac® mounting system.

TileTrac® Installation*
(FastJack® on back)

The RoofTrac® support rail was designed to conceal all attachment hardware. All connections are made inside the support rail hidden from view.

*Optional sub-flashing shown

Patented UL2703 Self-Bonding Slide-n-Clamp System



professional SOLAR products

Fully integrated, and patented, clamping system actually changes the structural properties of the aluminum channel making it significantly stronger. This design allows solar modules to be installed at a lower profile to the roof providing a more aesthetically pleasing installation.

Module end clamps are specifically designed for each specific module frame.