THREE-COURSE FLASHING SOLUTION
FOR TILE ROOFS

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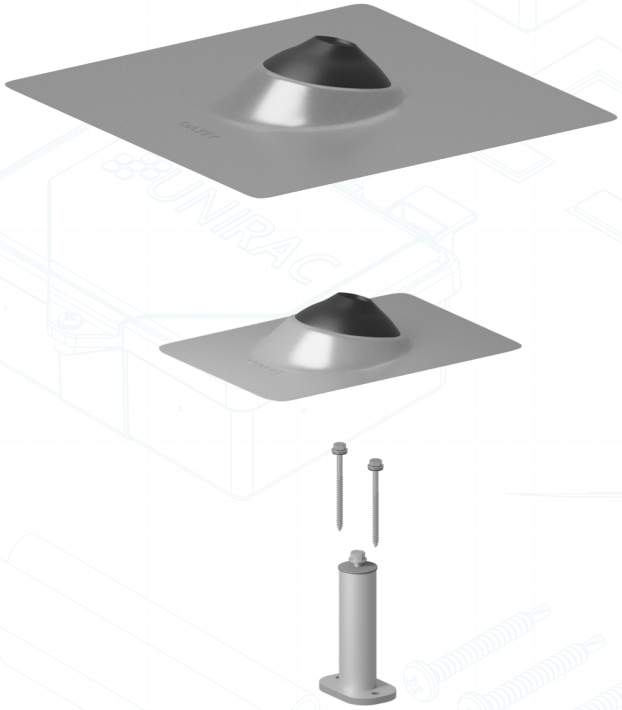
This method delivers reliable waterproofing through a three-layer protection system, making it ideal for new home construction. When paired with our STANDOFF attachment, it provides a proven, flexible approach for tile roof applications. Waterproof flashings secure both the base and top layers, while a tar-sealed middle layer adds an additional barrier against the elements.

UNIRAC STANDOFFS

- Ideal for tile, composition shingle, and flat roofs, as well as new construction applications with tile roofs
- Available in 3", 4", 6", 7", and 12" sizes to create proper clearance for different roof profiles
- All-aluminum construction makes it corrosion-resistant and lightweight for easier handling and long-term durability

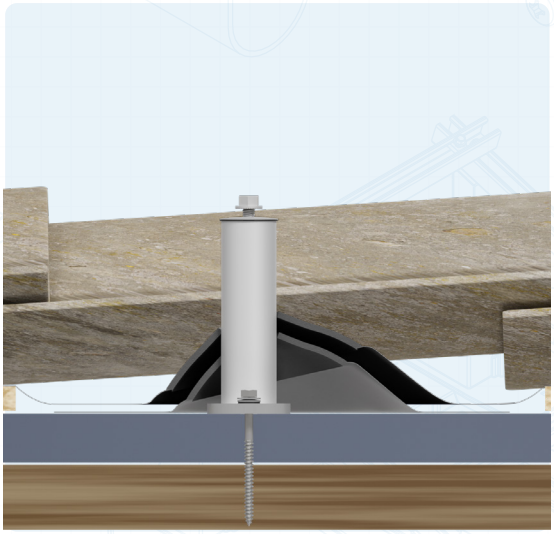


DECK-LEVEL FLASHING (004015C)

- Provides the primary mechanical water barrier
- Engineered for structural integrity and long-term durability.
- Self-sealing collar slides over the STANDOFF for easy fitting
- Available in 9" x 12" size

TAR SEALANT (THIRD-PARTY SOURCED)

- Applied over deck-level flashing
- Enhances waterproofing performance
- Supports installer best practices and local code requirements



TILE-LEVEL FLASHING (004013C)

- 18" x 18" size easily integrates with tile roofing systems
- Pliable material forms to tile roof
- Designed for long-term performance in new construction environments

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UNIRAC RECOMMENDED THREE COURSE FLASHING INSTALLATION INSTRUCTIONS

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For **full** three course flashing install guidance on tile roofs and code compliance visit the Tile Roofing Industry Alliance's website at: ***www.tileroofing.org/***

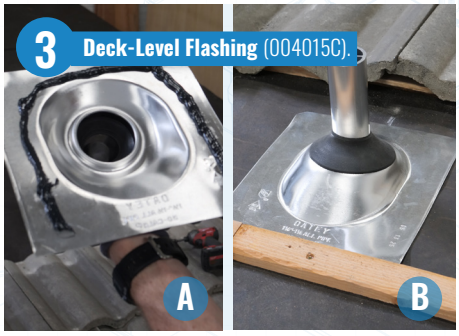
TOOLS REQUIRED:

Tape measure, drill with 7/32" bit, drill or impact gun with 1/2" deep socket, caulking gun and sealant compatible with roofing material, whisk broom, roofing bar, angle grinder with a diamond blade, and Henry's or similar roofing cement.

Remove tile. Locate and mark center of rafter.

Remove a tile over a rafter. Install the base of a two-piece standoff, ensuring that both lag bolts are screwed into the rafter.

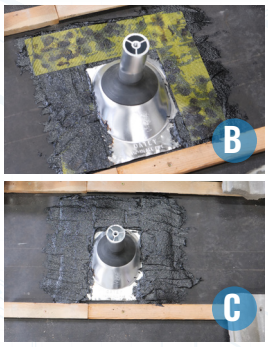
Refer to SOLARMOUNT® STANDOFFS Installation Manual.



A. Apply a bead of sealant in the shape of an upside down U on the back side of the deck-level flashing.

B. Install the deck-level flashing over the standoff, making sure the edge closest to the cone is on the downhill side *(trim flashing if needed to ensure min. 1" gap between flashing and batten).*

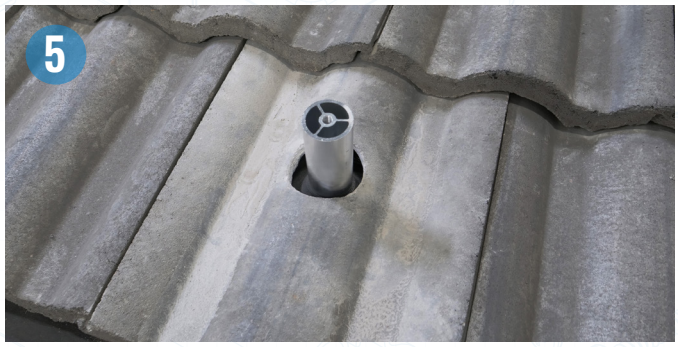
C. Use roof nails to secure upslope corners of the deck-level flashing and caulk over the nail penetration.



A. Apply 1/8" thick layer of tar sealant around the top and sides of the deck-level flashing with at least 1" on the flashing and 1" over the decking material.

B. While tar sealant is still wet, apply 3 pieces of reinforcing fabric strips centered over tar sealant– Strips should extend at least 1" past the edge of the flashing.

C. After first layer of tar sealant is dry, apply a second layer over the reinforce fabric to finish waterproofing the deck-level flashing.



With a diamond blade on a grinder, skill-saw or a hole saw, cut tile to allow for the standoff post to pass through. Place cut tile back in position. Insert post and tighten into place.

A. It is best to bend the tile flashing to follow the contour of the tile, if curved. *(Ensure tile level flashing is underneath nearest upslope tile by at least 1").*

B. Apply sealant where the post and flashing meet.

C. Install EPDM washer with top bolt to seal off post until full racking system is installed.

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