Tile Replacement Mount
Elevated Water Seal Technology®
For use with Flat, S, & W shaped tiles

Installation Instructions

Quick Mount PV®
RESPECT THE ROOF
Instructions: QMTR - Tile Replacement Mount

**Installation Tools Required:** stud finder, tape measure, utility knife, drill with 1/8” bit, impact gun with T-30 Torx bit, channel lock pliers, caulk gun, appropriate sealant compatible with EPDM rubber and roofing materials, roofing bar, and hand broom.

**NOTE:** Installation method is the same for all tile replacement flashing profiles.

1. Locate and remove the tile that will be replaced by the tile replacement flashing. Remove tile to the left of and above the mount location. Locate rafter and mark center. Measure 8 3/4” up from bottom of the adjacent tiles and mark the location with a horizontal line across rafter.

2. Align the base plate over rafter so the lag holes line up with the rafter line and horizontal line aligns with the post groove. The orientation of the base plate can be flipped east-west for post location versatility of up to 12 1/4”. Mark location of lag holes on the roof.

3. Drill two pilot holes using 1/8” bit to a depth of 2 3/4”. Be sure lags go into center of rafter for strongest attachment. Pilot holes reduce rafter splitting. Fill pilot holes with appropriate sealant and align lag holes over the pilot holes.

4. Waterproof at underlayment level according to roofing manufacturer instructions and Tile Roofing Institute Guidelines. Alternative flashing methods may be approved by the AHJ at their discretion.

5. Use T-30 Torx bit and impact gun to secure mount into rafter with provided hardware.

6. Insert the grade-8 serrated flange bolt into the bottom of the post. Slide post into base plate channel. Line up post with the hole in the tile replacement flashing. Leave loose for adjustments.

7. Place the tile replacement flashing over the post and mount, allowing flashing to interlock with surrounding tiles properly. Secure the post by tightening it down using a pair of channel lock pliers. Replace surrounding tiles.

8. Apply a bead of sealant where the post meets the flashing. Slip the EPDM collar over the post and onto the flashing.

**WARNING:** Quick Mount PV products are NOT designed and should NOT be used for anchoring fall protection equipment.

**CAUTION:** Prior to installation, check that proper screw embedment will be achieved for the necessary site load and roofing configurations.
Flashing Tile Roofs in Florida

In the State of Florida tile roofs require that the sub-flashing must be flashed ON ALL FOUR SIDES per the TRI/FRSA Florida High Wind Concrete and Clay Tile Installation Manual. For more information, check out Quick Mount PV’s Waterproofing Tile Roof Mount sub-flashing: Three-Course Method instructions. Alternative flashing methods may be approved by the AHJ at their discretion.

Optional Methods for Securing Top Flashing

For replacement flashings susceptible to movement, additional measures may be taken to secure the replacement flashing flush to the roof.

**OPTION 1** - Using a pair of tin snips, snip the bottom lip on the right side of the replacement flashing approximately 3/4" inch from the edge and bend the tab under the adjacent tile to help keep the replacement flashing flush to the roof.

**OPTION 2** - Adhere flashing to adjacent tile using roofing adhesive compatible with contacted materials and environmental conditions, according to the TRI Guidelines (see sections MC-21 & MC-24).
<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FLASHING, .040&quot; X 12&quot; X 7.5&quot;, SHEET, 5052-H32, MILL</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>TILE REPLACEMENT BASE, 8.125&quot;, 6061-T6, MILL</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>WASHER, SEALING, 5/16&quot; ID X 3/4&quot; OD, EPDM BONDED SS</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>STRUCTURAL SCREW, QMPV, BUTTON HEAD, 5/16&quot; X 4&quot;, T-30, STEEL, COATED</td>
<td>2</td>
</tr>
</tbody>
</table>

**ITEMS:**

- **ITEM NO. 1:** FLASHING, .040" X 12" X 7.5", SHEET, 5052-H32, MILL
- **ITEM NO. 2:** TILE REPLACEMENT BASE, 8.125", 6061-T6, MILL
- **ITEM NO. 3:** WASHER, SEALING, 5/16" ID X 3/4" OD, EPDM BONDED SS
- **ITEM NO. 4:** STRUCTURAL SCREW, QMPV, BUTTON HEAD, 5/16" X 4", T-30, STEEL, COATED

**Title:**

QMTR-BM: TILE REPLACEMENT, BASE MOUNT

**Dimensions:**

- **West Orientation:**
  - 3.25 MIN
  - 4.50 MAX
  - TILE REPLACEMENT FLASHING, POST, AND HARDWARE SOLD SEPARATELY (QMTR-F3.25, QMTR-W4, QMTR-S3.25)
  - SLIDE POST ALONG CHANNEL TO DESIRED LOCATION

- **East Orientation:**
  - 3.216
  - 1.375
  - 6.125

**Notes:**

- THIS EDGE TOWARDS ROOF RIDGE
- RACKING NOT INCLUDED
- SCALE 1:5

**Scale:** 1:2

**Weight:** 1.02

**Copyright © 2019 QUICK MOUNT PV**

**Title:**

QMTR-BM: TILE REPLACEMENT, BASE MOUNT

**Dimensions:**

- **West Orientation:**
  - 3.25 MIN
  - 4.50 MAX
  - TILE REPLACEMENT FLASHING, POST, AND HARDWARE SOLD SEPARATELY (QMTR-F3.25, QMTR-W4, QMTR-S3.25)
  - SLIDE POST ALONG CHANNEL TO DESIRED LOCATION

- **East Orientation:**
  - 3.216
  - 1.375
  - 6.125

**Notes:**

- THIS EDGE TOWARDS ROOF RIDGE
- RACKING NOT INCLUDED
- SCALE 1:5

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ITEM NO. | DESCRIPTION | QTY.
---|---|---
2 | POST, 1-1/4" OD X 3-1/4", 6063-T5/6063-T6, MILL | 1
3 | WASHER, SEALING, 5/16" ID X 1-1/4" OD, EPDM BONDED SS | 1
4 | FLASHING, REPLACEMENT TILE, FLAT, 1" CONE, ALUMINUM, MILL | 1
5 | COLLAR, COUNTER FLASHING, 1-1/4" ID EPDM | 1
6 | CAP SCREW, HEX HEAD, 5/16"-18 X 1" UNC-2A, NYLON PATCH, W/CAPTIVE WASHER, 1" OD, 18-8 SS | 1
7 | CAP SCREW, SERRATED FLANGE, HEX HEAD, 5/16"-18 X 1" UNC-2A, GRADE 8, MAGNI 525 | 1

BASE MOUNT SOLD SEPARATELY (QMTR-BM)

RACKING NOT INCLUDED

THIS EDGE TOWARDS ROOF RIDGE

AVAILABLE IN MILL, AND BLACK FINISHES

Quick Mount PV

QMTR-F3.25: TILE REPLACEMENT, FLAT TILE, 3-1/4" POST

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL: ± 1/8
TWO PLACE DECIMAL: ± .19
THREE PLACE DECIMAL: ± .094

SCALE: 1:4  WEIGHT: 1.23  SHEET 1 OF 1

DRAWN BY: JPW  DATE: 1/27/2020  REV 8

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DO NOT SCALE DRAWING

1/8
RACKING NOT INCLUDED

THIS EDGE TOWARDS ROOF RIDGE

BASE MOUNT ASSEMBLY SOLD SEPARATELY (QMTR-BM)

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<tr>
<td>3</td>
<td>WASHER, SEALING, 5/16&quot; ID X 1-1/4&quot; OD, EPDM BONDED SS</td>
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<tr>
<td>4</td>
<td>FLASHING, REPLACEMENT TILE, W-TILE, .625&quot; CONE, ALUMINUM, MILL</td>
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<tr>
<td>5</td>
<td>COLLAR, COUNTER FLASHING, 1-1/4&quot; ID EPDM</td>
<td>1</td>
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<tr>
<td>6</td>
<td>CAP SCREW, HEX HEAD, 5/16&quot;-18 X 1&quot; UNC-2A, NYLON PATCH, W/CAPTIVE WASHER, 1&quot;OD, 18-8 SS</td>
<td>1</td>
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<tr>
<td>7</td>
<td>CAP SCREW, SERRATED FLANGE, HEX HEAD, 5/16&quot;-18 X 1&quot; UNC-2A, GRADE 8, MAGNi 525</td>
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</tr>
</tbody>
</table>

AVAILABLE IN MILL, AND BLACK FINISHES

**Quick Mount PV**

**QMTR-W4: TILE REPLACEMENT, W-TILE, 4" POST**

**Title:**

**Quick Mount PV**

**DATE:** 1/28/2020

**DRAWN BY:** JPW

**REV:** 8

**SCALE:** 1:5

**WEIGHT:** 1.27

**SHEET:** 1 OF 1

**DIMENSIONS ARE IN INCHES**

**TOLERANCES:**

- FRACTIONAL ± 1/8
- TWO PLACE DECIMAL ± .094
- THREE PLACE DECIMAL ± .094

**DO NOT SCALE DRAWING**

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**Quick Mount PV**

**QMTR-S3.25: Tile Replacement, S-Tile, 3-1/4" Post**

**Available in Mill and Black Finishes**

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### Table: Item Details

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<tr>
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<td>CAP SCREW, SERRATED FLANGE, HEX HEAD, 5/16-18 X 1-1/4&quot; UNC-2A, GRADE 8, MAGNi, 5/32&quot; OD, 6061-T5/6063-T5, MILL</td>
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<tr>
<td>2</td>
<td>POST, 1-1/4&quot; OD, X 1-1/4&quot; X 3-1/4&quot;, 6061-T5/6063-T6, MILL</td>
<td>1</td>
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<tr>
<td>3</td>
<td>WASHER, SEALING, 5/16&quot; ID X 1-1/4&quot; OD, EPDM BONDED SS</td>
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</tr>
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**Racking Not Included**

**This Edge Towards Roof Ridge**

**Base Mount Assembly Sold Separately (QMTR-BM)**

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**Dimensions are in inches**

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**Unless Otherwise Specified:**

1. **QMTR-S3.25: Tile Replacement, S-Tile, 3-1/4" Post**

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**Scale: 1:5**

**Weight:**

**Rev:** A

**Date:** 1/28/2020

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**Do Not Scale Drawing**

Sheet 1 of 1