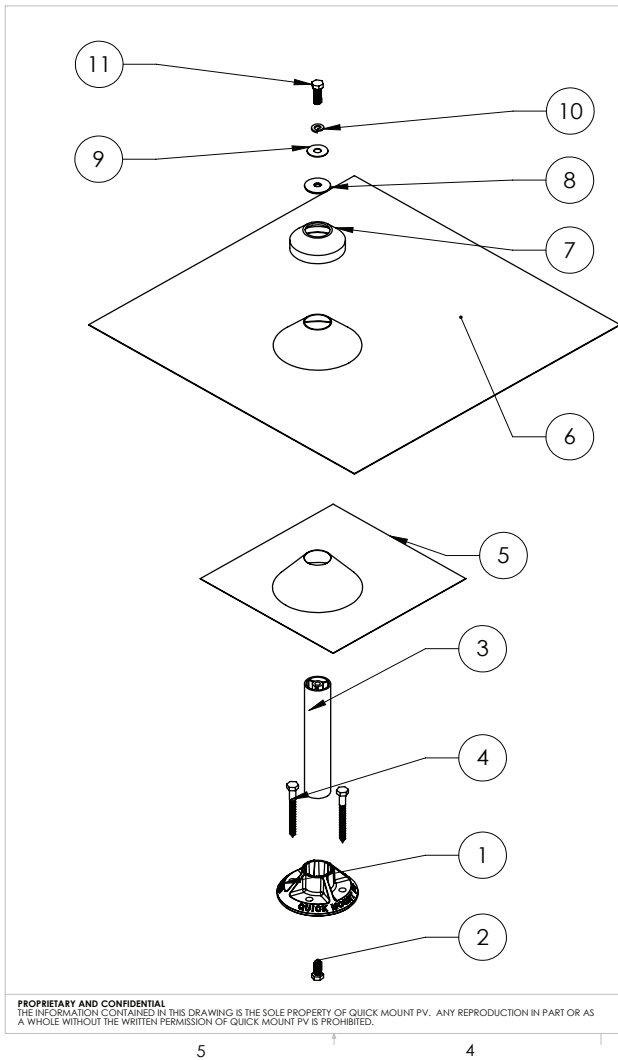


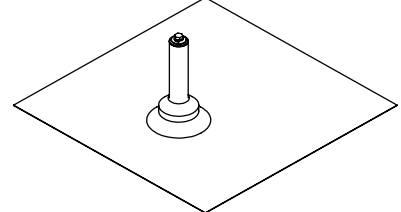
QBase Universal Tile Mount | QMUTM

(formerly called Universal Tile Mount)



ITEM NO.	DESCRIPTION	QTY.
1	QBASE, 1-1/4" ID, FOR 5/16" HARDWARE, A360.1 CAST AL	1
2	CAP SCREW, HEX HEAD, 5/16"-18 X 3/4" UNC-2A, GRADE 8	1
3	POST, 1.25" OD X 6.5", 6063-T5, MILL	1
4	LAG SCREW, HEX HEAD, 5/16" X 3", ZINC	2
5	SUBFLASHING, SPUN CONE, QBASE, 9"X9"X.020", 3003 AL, MILL	1
6	FLASHING, SPUN CONE, 18"X18"X.032", 3003 AL, MILL	1
7	COLLAR, COUNTER FLASHING, 1-1/4" ID EPDM	1
8	WASHER, SEALING, 5/16" ID X 1-1/4" OD, EPDM BONDED SS	1
9	WASHER, FENDER, 5/16" ID X 1" OD, 18-8 SS	1
10	WASHER, SPLIT-LOCK, 5/16" ID, 18-8 SS	1
11	CAP SCREW, HEX HEAD, 5/16"-18 X 1", UNC-2A - 18-8 SS	1

POST AND TOP FLASHING AVAILABLE IN MILL, CLEAR ANODIZED, AND DARK BRONZE ANODIZED FINISHES



Quick Mount PV®

TITLE:
QMUTM: QBASE UNIVERSAL TILE MOUNT

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/16 TWO PLACE DECIMAL ±.02 THREE PLACE DECIMAL ±.005	SIZE	DRAWN BY: MPW	REV
	A	DATE: 7/19/2012	5
SCALE: 1:8	WEIGHT: 2.24	SHEET 1 OF 2	

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF QUICK MOUNT PV. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF QUICK MOUNT PV IS PROHIBITED.

DO NOT SCALE DRAWING

Lag pull-out (withdrawal) capacities (lbs) in typical lumber:

	Lag Bolt Specifications		
	Specific Gravity	2/ea 5/16" shaft per 2.5" thread depth	5/16" shaft per 1" thread depth
Douglas Fir, Larch	.50	1330	266
Douglas Fir, South	.46	1175	235
Engelmann Spruce, Lodgepole Pine (MSR 1650 f & higher)	.46	1175	235
Hem, Fir	.43	1060	212
Hem, Fir (North)	.46	1175	235
Southern Pine	.55	1535	307
Spruce, Pine, Fir	.42	1025	205
Spruce, Pine, Fir (E of 2 million psi and higher grades of MSR and MEL)	.50	1330	266

Sources: American Wood Council, NDS 2005, Table 11.2 A, 11.3.2 A

Notes:

- 1) Thread must be embedded in a rafter or other structural roof member.
- 2) See IBC for required edge distances.

Important: To maintain waterproofing of substrate it is important to make sure the aluminum primary flashing is properly placed over the QBase and under the course of paper above. If the paper above does not reach, due to layout, place an additional piece of roofing paper over the primary flashing and under the next course of paper above. (See instructions on reverse)



QBase Universal Tile Mounting Instructions

Sub-Flashing Waterproofing Method: Lapped Paper

WARNING: Quick Mount PV products are NOT designed and should NOT be used to anchor fall protection equipment.



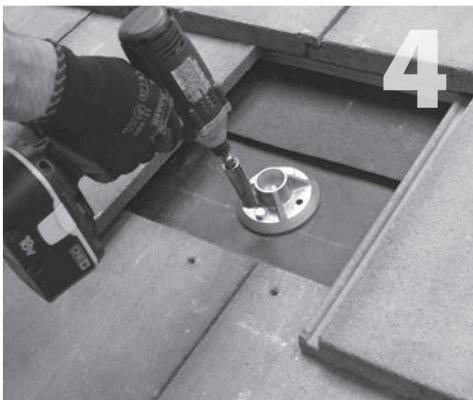
1 Remove tile at selected location of mount.



2 Locate and mark center of rafter.



3 Use a straight edge and measure up 6 5/8" from bottom of tiles to center of the mount over the center of rafter.



4 Align QBase over rafter center and drill two 7/32" pilot holes. Place grade-8 machine bolt under QBase in hex slot, threads pointing up. Lag QBase into rafter on marks.



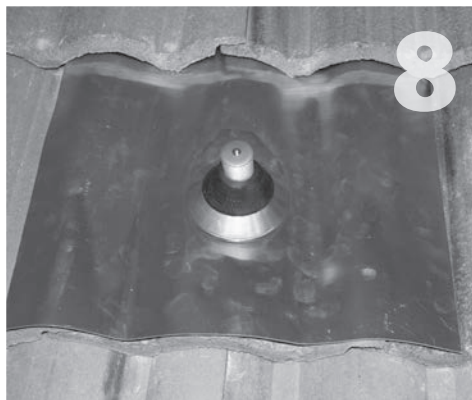
5 Carefully clean the building paper then install primary flashing in either a three-course method or properly lapped paper method.* Apply bead of sealant in the shape of an upside down U on the back side of the sub-flashing.



6 Take care to do a quality installation. When using the paper method, cut a piece of paper 18" wide to slide under the course above, and over the primary flashing of the mount. See reverse side for details on the three-course method.



7 Cut a hole in the removed tile, with room to get the post through. Place cut tile back in position. Insert post and tighten into place. Install the 18"x 18" flashing and apply sealant around the opening.



8 Pre-bend the flashing to follow the contour of the tile if curved. Apply sealant where post and flashing meet, and install counter flashing collar. (Be sure to seal off the post from weather exposure with the sealing washer (item 8), in the interim before racks are installed.)

You are now ready for the rack of your choice. Follow all the directions of the rack manufacturer as well as the module manufacturer.

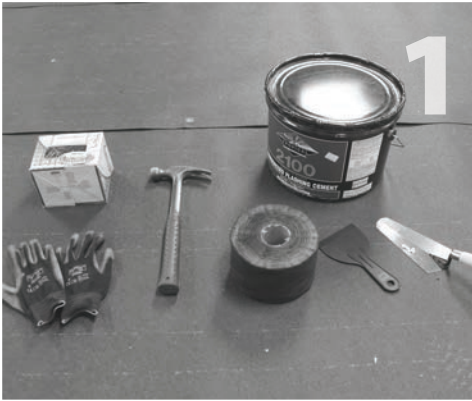
All roofing manufacturers' written instructions must also be followed by anyone modifying a roof system. Please consult the roof manufacturer's specs and instructions prior to touching the roof.

* Optional three-course waterproofing method instructions on next page.

Quick Mount PV®

Sub-Flashing Waterproofing Method: Three-Course

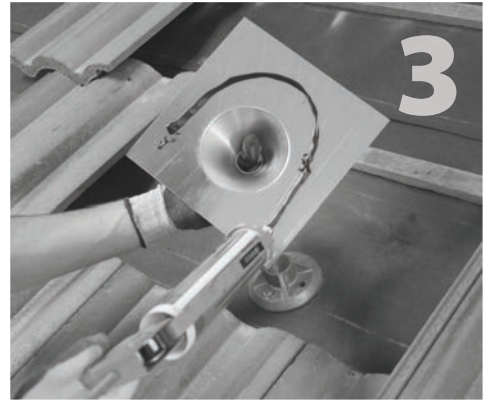
Installation Tools Required: gloves, hammer, brush, roofing nails, roofing cement, trowel, roll of reinforcing fabric



Gather materials needed.



Clean away dust and debris around QBBase.



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



Install the sub-flashing over the post, making sure the edge closest to the cone is on the downhill side.



Fasten the sub-flashing into place with two roofing nails, one in each top corner.



Apply 1/8" thick layer of roofing cement around the top and sides of the sub-flashing with at least 1" extending past the sides of the flashing onto the felt. Layer should be about the thickness of a nickel.



While cement is still wet apply 3 pieces of reinforcing fabric strips where felt paper and flashing meet – a 14" strip along the top, and a 10" strip along each side.



After first layer of cement is dry apply second layer over reinforcing fabric to finish waterproofing of sub-flashing.

You are now ready to proceed with your top tile flashing. Be sure to follow the product installation instructions to complete the entire installation.

Digital installation instructions are also available at our website:
www.quickmountpv.com/training/downloads.html

For more information on tile roofing best practices and code compliance visit the Tile Roof Institute's website at:
www.tilerroofing.org/

QBase Universal Tile Mount | QMUTM

(formerly called Universal Tile Mount)

Additional Dimensions

