

# Technical Bulletin

## INSTALLING SOLAR SYSTEMS OVER STONE COATED STEEL

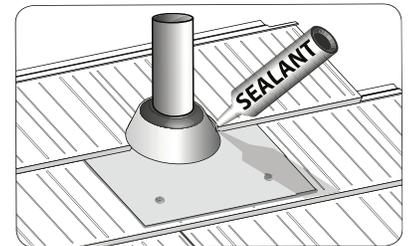
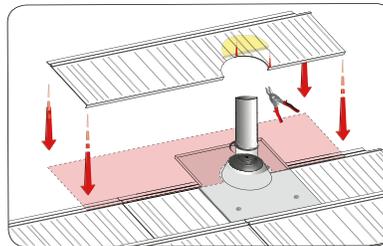
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When installing a solar panel above a Unified Steel<sup>™</sup> stone coated roof, mounting systems that use either 'Vertical' or '90-Degree Mounts' to support and elevate the solar panels above the roof material are available. The project specific solar panel manufacturer should be consulted as to the correct support height above the roof, the number of solar roof mounts and the fastening method for each, into the roof deck framing for the system being used.

### 'Leg' Support Method

Support 'legs' are to be flashed with pipe flashings in the same manner as a regular pipe penetration. The "Sandwich" method of placing the pipe flashing between two stone-coat panels is recommended. Refer to pipe penetration flashing details in the Unified Steel<sup>™</sup> installation guides on our website.



**Solar System Flashing Mount:** A round pipe is often used to support solar systems, the details above can be used to flash the supporting solar members.

### Solar Roof Mounts

Using Solar Roof Mounts to support the solar panels eliminates penetrations through the roof panels, as the Solar Roof Mounts are shaped to fit up and over the panel back lip allowing the mount to exit between the panel courses and cantilever past the nose of the upper covering panel. The solar panel manufacturer should be consulted for correct support height above the roof, number of mount supports & fastening method for each, into the roof deck. We recommended a wear-pad using a double layer of peel-n-stick underlay material be adhered to the underside of each mount that rests on the stone-coat surface after it exits out from between two panels at the course line to prevent excess panel wear.

Installing a solar system above a stone-coated steel roof will not affect the limited warranty. The solar installation company takes full responsibility to ensure long-life weather-proof flashing procedures are followed wherever the roof panels are perforated with 'Legs' or Solar Roof Mount as described above.

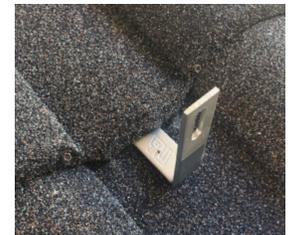
**Direct-to-Deck  
Fixed Mount**



**2x2 Batten  
Fixed Mount**



**2x2 EBS Batten  
or 2x2 Standard Batten  
Adjustable Mount**



Adjustable Solar Roof Mounts allow for mounts to be centered over the rafter using a 6-inch mounting plate.

Current Technical Bulletins are listed on our website at [WestlakeRoyalRoofing.com](http://WestlakeRoyalRoofing.com) and we reserve the right to amend or update these documents at any time.

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