

Westlake Royal™ MetalSeal HT

INSTALLATION GUIDE

The following guidelines are provided for the installation of Westlake Royal™ MetalSeal HT Underlayment, however local building codes may differ so please consult with the local building department for any different or additional installation requirements.

GENERAL GUIDELINES FOR ALL INSTALLATIONS

The deck must be clean, dry, free from loose contaminants, and structurally sound. Westlake Royal™ MetalSeal HT Underlayment should be installed when ambient and substrate temperatures are 40F (4.4C) or higher. Do not use Westlake Royal™ MetalSeal HT Underlayment below 2:12 (17% slope). Water must be allowed to drain freely from all areas of the roof.

Roof pitches greater than 7:12 require battens unless local codes allow the elimination of battens in lieu of other fastening procedures.

Westlake Royal™ Roofing Components' Elevated Batten System® is recommended for all metal roof installations at all allowed pitches to allow drainage, ventilation, and prevent standing water on the underlayment.

Some codes require an additional base sheet under Westlake Royal™ MetalSeal HT Underlayment. Check your local building codes.

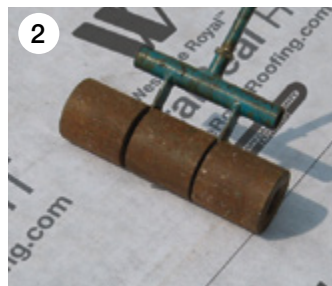
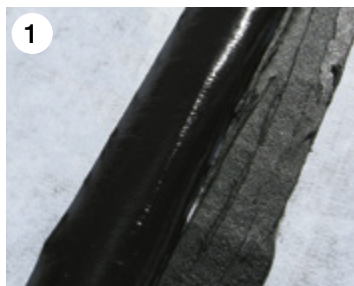
2-PLY OR MULTI-PLY SYSTEMS WITH A BASE SHEET

Install a code approved base sheet onto the entire roof surface according to local code and manufacturer's instructions. Apply the metal drip edge and other flashings over the base sheet. Coat entire metal surface of deck flange with asphalt primer.

Apply Westlake Royal™ MetalSeal HT Underlayment to the roof, starting at the eave. The first course of Westlake Royal™ MetalSeal HT Underlayment should be parallel and flush to the edge of the eave.

Fasten the top of each sheet to the deck through the black selvage lap maximum 12" on center with approved fasteners. Apply each succeeding course of Westlake Royal™ MetalSeal HT Underlayment, lapping the entire width of the black selvage area.

Apply SBS mastic under all laps onto the top white surface of Westlake Royal™ MetalSeal HT Underlayment. (Pic 1) All end laps must be minimum 6". Use a roller to insure complete adhesion to the base sheet. (Pic. 2)



SINGLE PLY (DIRECT TO DECK)

Westlake Royal™ MetalSeal HT Underlayment may be self-adhered to primed or unprimed plywood, primed or unprimed oriented strand board (OSB), Huber ZIP System® Roof Sheathing, DensDeck® Prime Roof Boards. Primer must conform to ASTM D 41 and primer manufacturer's installation instructions must be followed.

If an additional sheet is not used under Westlake Royal™ MetalSeal HT Underlayment, use a separator/slip sheet between metal and deck where required by code, and coat the roof flange as described above. Install Westlake Royal™ MetalSeal HT Underlayment in all valleys by either weaving or by first applying a strip down the length of the valleys as shown below. When weaving the underlayment in the valleys, the upper edge of the underlayment must be at least 12" past the center of the valley. See Valley Options section.

Apply Westlake Royal™ MetalSeal HT Underlayment to the roof, starting at the eave. The first course of Westlake Royal™ MetalSeal HT Underlayment should be parallel and flush to the edge of the eave. Use a roller to insure complete adhesion to the roof deck. (Pic. 2)

Fasten the black selvage area at the top of the sheet at 12" on center. (Pic. 3) Apply each succeeding course of Westlake Royal™ MetalSeal HT Underlayment, lapping the entire width of the black selvage area.



It is necessary to seal all end laps using one of the following methods:

The first is to apply SBS modified mastic under all laps and onto the top white surface of Westlake Royal™ MetalSeal HT Underlayment to ensure a completely watertight seal. All laps must be minimum 6".

Alternatively, an Inverted Sheet Seam may be made by adhering the ends onto an inverted sheet that has been fastened to the roof deck.

Inverted Sheet Seam (not allowed in Hurricane Zones)

Cut a 12” strip of Westlake Royal™ MetalSeal HT Underlayment and invert (flip over) on the roof deck in a position that half will be under the end of the adjoining sheets. Tack the strip into place before setting the sheets. (Pic. 4)



Lap the adjoining sheets onto the inverted strip and press the sheets together to form a solid bond. Roll the seams with a seam roller to assure complete adhesion. (Pic. 5)



Completed Inverted Sheet Seam (Pic. 6)

