

STS Underlayment

APPLICATION INSTRUCTIONS

Superior self-stick underlayment for Tile & Metal

STS Underlayment™ is intended for use as a whole-roof underlayment for Tile, Metal and other types of roofing. The durable outer fabric surface provides traction when working, good bonding for foam adhesives, and promotes airflow underneath the roofing. The adhesive selvedge securely bonds overlaps forming a secure, waterproof surface. The high-temperature rubberized adhesive self-seals around punctures such as nails and screws providing a layer of secondary water resistance.

SURFACE PREPARATION

- The roof deck must be clean and dry. If questionable, prime the surface with MFM Prime-A-Seal™ or similar asphalt primer. A primer seals the roof deck and provides a consistent bonding surface for the STS Underlayment.
- All masonry surfaces must be primed before installing STS Underlayment.
- Do not use primer over roofing felt or rigid insulation! If extra adhesion is needed, use an activator such as MFM Spray Adhesive.
- STS Underlayment should not be installed over EPDM or TPO roofing membranes.

INSTALLATION

Install STS Underlayment in compliance with all local and state building codes! MFM recommends following accepted roofing practices as outlined in the NRCA *Roofing and Waterproofing Manual*.

- 1) STS must be installed in a shingle-like manner so that water flows over the seams.
 - 2) Starting at the eave, unroll STS underlayment horizontally with the polyester side up and the selvedge at the top.
 - 3) Remove 12" - 18" of the protective paper, align STS and stick in place.
 - 4) Continue removing the release paper backing and press STS into place.
 - 5) Position the next course of STS so that it will cover the selvedge on the first course, align and install. Then, remove the protective film covering the selvedge to bond the two courses of STS together. Roll lap firmly with a hand roller.
 - 6) All edge laps must be a minimum of 3 inches or covering the selvedge. All end laps must be a minimum of 6 inches.
 - 7) Roll the entire STS surface with a hand roller, focusing particular attention on the seams and edges.
 - 8) Cover within 90 days.
- Metal drip edge, valley, and wall flashings should be installed on top of the STS membrane. For vertical surfaces, STS should extend up the wall a minimum of three inches and the exposed edge protected by metal flashing.

STS may also be installed vertically on roofs with a very steep pitch: Depending upon the pitch of the roof, roll the STS either from the ridge or eave. All edge laps must be a minimum of 3 inches and end laps a minimum of 6 inches. All laps and seams must be rolled with a hand-roller.

For valleys: Roll STS the entire length of the valley. Lap the field STS membrane over the valley membrane a minimum of 3" prior to the installation of the valley metal or self-adhering flashing.

- STS Underlayment self-seals around mechanical fasteners such as nails and screws.
- In regions where ice damming can occur, it is recommended that MFM IceBuster™ or Wind & Water Seal™ be installed at the eave over the drip edge. To do this, prime the surface of STS with MFM Prime-A-Seal™, or similar asphalt primer, then install IB-3™ or Wind & Water Seal per directions.

For Re-Roofing: STS does not have to be removed for re-roofing. Make sure the original installation of membrane is clean, smooth and free from sharp edges and large holes. If recovering with a self-adhering underlayment, prime the entire surface with MFM Prime-A-Seal™ before applying new underlayment. Mechanically attached underlayment may be installed directly over the old STS membrane.

WARNING:

- Roof work can be dangerous - work carefully! Avoid falls by using safety harnesses, roof jacks and other proper equipment.
- Use caution when walking or standing on product.
- This product is a vapor barrier - allow for proper ventilation of the roof.
- Be sure roof deck will support anticipated load. Do not stack tile over 12 high on a maximum 6:12 pitch!
- Store material in carton in a cool, dry place - exposure to light and moisture will reduce adhesiveness.



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