



Superior Self-stick Underlayment For Tile & Metal

*MFM Building Products Corp. manufactures a wide range of innovative waterproofing products for the building industry. Proven through many years of use in the field, MFM products are engineered for superior performance and ease of installation.*

## DESCRIPTION

STS Underlayment is a self-adhering roof underlayment composed of a high-grade polyester fabric laminated to high-temperature, self-sealing, asphalt adhesive. A silicone-coated paper backing protects the adhesive and is removed during installation. STS features a 3-inch adhesive selvage to ensure a secure, monolithic seal.

The surface fabric offers excellent traction for good footing and for stacking tiles during construction. Additionally, the fabric helps air to circulate under the roofing and bonds well to all foam adhesives. STS meets all codes for installation in high-wind zones.

## USES

STS is intended to be used as a whole-roof underlayment. It will withstand the high-temperatures created by metal roofing, bond well with foam adhesive systems and traditional nail-down tile roofs. STS may also be used underneath cedar shakes, synthetic and asphalt shingles.

## SURFACE PREPARATION

STS installs directly to the wood, metal, or insulated roof deck where allowed by code. The roof deck surface must be clean, dry and free from oil or other foreign materials. STS will adhere best to a surface primed with MFM Prime-A-Seal™ or similar asphalt primer. Corroded metal and masonry must be primed.

## INSTALLATION

STS should be installed in a shingle-like manner so that water flows over the seams.

1. Starting at the eave, position STS to unroll horizontally with the selvage at the top.
2. Remove 12" - 18" of the protective paper, align STS and stick in place.
3. Continue removing the release paper backing by pulling from underneath the roll, unroll and press STS into place as you go.
4. Position the next course of STS so that it will cover the selvage on the first course and install. Then, remove the protective film covering the selvage to seal the two courses of STS together.
5. All edge laps must be a minimum of 3 inches or covering the selvage. All end laps must be a minimum of 6 inches.
6. Apply firm pressure to all seams, edges and overlaps with a roller to ensure proper adhesion!
7. 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.

1. Depending upon the pitch of the roof, roll the STS either from the ridge or eave.
2. 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 IB-3 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™ then install IB-3™ or Wind & Water Seal per directions.

## RE-ROOFING over STS

STS underlayment does not have to be removed for re-roofing. Make sure the original installation of membrane is clean, smooth and free from sharp edges. If recovering with a self-adhering product, prime the entire roof with MFM Prime-a-Seal™ per instructions before applying new membrane. Mechanically attached underlayment may be installed directly over the existing STS.

## WARNINGS

- STS Underlayment must be installed in accordance with local building codes.
- When loading roof tiles, do not exceed a maximum of stack of 12 tiles on a 6:12 pitch. Loading boards may be used on top of STS underlayment.
- STS is a vapor barrier. Allow for proper roof ventilation.
- Do not install over EPDM or TPO rubber roofing!
- Do not install over silicone caulking or uncured solvents or sealants!

## 10-Year Limited WARRANTY

MFM Building Products Corp. (MFM) warrants materials to be free from leaks caused by defects in material or manufacturing for a period of ten (10) years from the date of purchase when applied according to published directions and will, at its option, resupply or refund the purchase price of any materials proven to be defective. Misapplication or poor workmanship is specifically excluded under the terms of this warranty. MFM shall be liable for no additional remedies, hereby expressly denying any other claims for damages, whether direct or indirect, consequential or incidental, including but not limited to property damage, personal injury to the buyer or to a third party and loss of business or profit arising from the use or inability to use the product. Any implied warranties arising under state law are limited to the duration and terms of this express warranty.

## PRODUCT DATA

Thickness	70 mils min.
Maximum Installed Temperature	260° F
Application Range	40° F—105° F
Exposure rating	90 days
Color – material	White
Release liner	Slit paper
Roll Length	68.5'
Roll Width	38"
Selvage	3"
Area/Carton	217 ft <sup>2</sup>

## PRODUCT APPROVALS

Florida Building Code approval FL#9683.1  
Miami-Dade County NOA 07-0924.08  
Underwriters Laboratories Verified to AC-10 and AC-304.



Meets ASTM D1970  
Certified for use with tile adhesive systems.