

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 high-grade polyester fabric laminated to high-temperature, self-sealing, asphalt adhesive. A release liner backing protects the adhesive and is removed during installation. STS features a 3" 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.

USES

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

1. STS should be installed in a shingle-like manner so that water flows over the seams.
2. Starting at the eave, position STS to unroll horizontally with the selvage edge at the top.
3. Remove 12" - 18" of the protective release liner, align STS and stick in place.
4. Continue removing the release liner backing by pulling from underneath the roll, unroll and press STS into place as you go.
5. Position the next course of STS so that it will cover the selvage edge on the first course and install. Then remove the protective release liner from the selvage edge to seal the two courses of STS together.
6. All edge laps must be a minimum of 3" or cover the selvage edge. All end laps must be a minimum of 6".
7. Apply firm pressure to all seams, edges and overlaps with a roller to ensure proper adhesion.
8. Cover within 180 days. Miami Dade County approved - NOA approval limitations may differ from those advertised

Metal drip edge, valley, and wall flashings should be installed under the STS membrane. For vertical surfaces, STS should extend up the wall a minimum of 3" 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" and end laps a minimum of 6". 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.

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 8 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.

For complete instructions see

MFM Building Products General Application Guideline For STS Underlayment.

Installation Range	> 50°F
Color—material	White
Roll Length	68.5'
Roll Width	38"
Carton Weight	76 lbs nom.
Area / Carton	217 ft ²
Maximum Temp.	260°F

30-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 thirty (30) years from the date of purchase when applied according to published directions. MFM 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.

PROPERTY	TEST METHOD	RESULTS
Thickness	ASTM D 1970	75 mils
Flexibility @ -10°F	ASTM D 1970	Pass
Vapor Permeance	ASTM E 96	1.0 gm/m/ 24h
Nail Sealability	ASTM D 1970	Pass
Tensile MD	ASTM D 2523	73 lbf/in
Tensile CMD	ASTM D 2523	43 lbf/in
Elongation MD	ASTM D 2523	144 %
Elongation CMD	ASTM D 2523	150 %

PROPERTY	TEST METHOD	RESULTS
Adhesion to Plywood @ 75°F	ASTM D 1970	85 lbf/ft

STS meets the requirements of ASTM D 1970, Florida Building Code approval # FL11841.1, Miami-Dade County Approved

