



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908**

**NOTICE OF ACCEPTANCE (NOA)**

**MFM Building Products Corp.  
P.O. Box 340  
Coshocton, OH 43812**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by the BCCO and accepted by the Building Code and Product Review Committee to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code and the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: STS Underlayment**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 07-0924.08 and consists of pages 1 through 5.  
The submitted documentation was reviewed by Jorge L. Acebo.



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**ROOFING COMPONENT APPROVAL**

**Category:** Roofing  
**Sub-Category:** Underlayment  
**Material:** SBS

**TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:**

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
STS Underlayment	38" x 68.5' per roll Thickness: 70 mils nominal	TAS 103	A self-adhering, self-sealing, high-temperature asphalt underlayment with a polyester fabric surfacing for use in approved sloped roof assemblies.

**EVIDENCE SUBMITTED:**

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI Construction Materials Technologies, Inc.	MFM-011-02-01	TAS 103	08/21/07
	MFM-012-02-01	ASTM D 1623 (AC 152)	09/20/10

**MANUFACTURING LOCATIONS:**

- Coshocton, Ohio

**LABELING:**

All membranes or packaging shall bear the imprint or identifiable marking of the manufacturer's name or logo and the following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



**APPROVED ASSEMBLIES:**

- Deck Type 1:** Wood, Non-insulated, New Construction or Re-roof
- Deck Description:** 1 9/32" or greater plywood or wood plank
- System E(1):** Anchor sheet mechanically fastened deck, membrane adhered.
- Base Sheet:** One or more plies of ASTM D 266 Type II or ASTM D 2626 with a minimum 4" side lap and a 6" end lap mechanically fastened to deck with approved nails and tin caps 6" o.c. at the laps and two staggered rows 12" o.c. the field of the roll per FBC 1518.2 & 1518.4.
- Membrane:** One or more plies of STS Underlayment with a minimum 4" side lap and 6" end lap. Place the first course of membrane parallel to the eave, rolling the membrane to obtain maximum contact. Remove the release liner as the membrane is applied.
- Surfacing:** Approved for Mechanically Fastened and Adhered Roof Tile Systems, Metal Roofing, Wood Shake & Shingles, and Asphaltic Shingle assemblies.



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## LIMITATIONS:

1. Fire classification is not part of this acceptance.
2. This acceptance is for prepared roofing applications. Minimum deck requirements shall be in compliance with applicable building code. STS Underlayment shall be installed in strict compliance with applicable Building Code.
3. STS Underlayment shall be applied to a smooth, clean and dry surface with deck free of irregularities.
4. STS Underlayment shall not be applied over an existing roof membrane as a recover, but may be applied over a roofing Base/Anchor sheet underlayment.
5. STS Underlayment shall not be left exposed as a temporary roof for longer than 30 days of application.
6. The manufacturer reserves the right to change product exposure period at any time; not to exceed the preceding maximum time limitations.
7. The standard maximum roof pitch for STS Underlayment shall be 6:12 when tiles are loaded directly to the STS Underlayment; loading boards or battens are required on roof pitches greater than 6:12".
8. Refer to Prepared Roofing system Product Control Notice of Acceptance for listed approval of this product with specific prepared roofing products.
9. Tiles shall be stored on battens on roof pitches greater than 6:12".
10. STS Underlayment may be used with any approved roof covering Notice of Acceptance listing STS Underlayment as a component part of an assembly in the Notice of Acceptance. If STS Underlayment is not listed, a request may be made to the Authority Having Jurisdiction (AHJ) or the Miami-Dade County Product Control Department for approval provided that appropriate documentation is provided to detail compatibility of the products, wind uplift resistance, and fire testing results.
11. All nails in the deck shall be carefully checked for protruding heads. Re-fasten any loose decking panels. Sweep the deck thoroughly to remove any dust and debris prior to application.
12. When applying the membrane in the valley, start at the low point and work to the high point, rolling the membrane from the center outward in both directions. For ridge applications, center the membrane and roll from the center outward in both directions.
13. Roll or broom the entire membrane surface so as to have 100% contact with the surface, giving special attention to overlap areas.
14. Flash vent pipes, stacks, chimneys and penetrations in compliance with Roof Assembly current Product Control Notice of Acceptance and applicable Building Code.
15. All protrusions or drains shall be initially taped with a 6" piece of underlayment. The flashing tape shall be pressed in place and formed around the protrusion to ensure a tight fit. A second layer of STS Underlayment shall be applied over the underlayment.
16. All membranes shall bear the imprint or identifiable marking of the manufacturer's name or logo, or following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade logo.
17. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.



## **MFM Building Products Corporation General Application Guidelines for STS Underlayment**

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

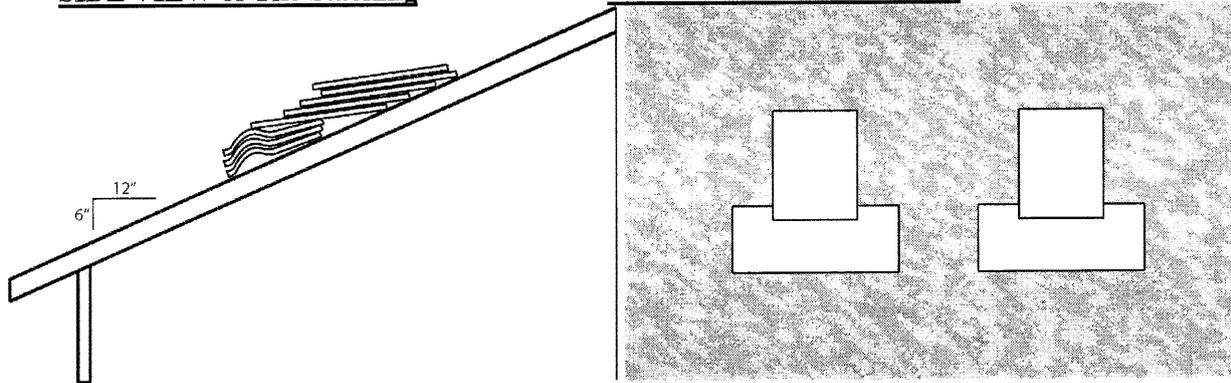
1. STS must be installed in a shingle-like / water shedding manner so that water flows over the seams.
2. Care should be taken to assure that all approved substrates are clean, dry, free of dust and debris, and smooth with no nail head protrusions prior to installation.
3. STS Underlayment should be applied at temperatures of at least 50°F and rising.
4. Starting at the eave, unroll STS horizontally with the polyester side up and the selvedge edge at the top. Remove 12 to 18 inches of the protective release liner, align the STS and stick/press in place with moderate pressure. Continue removing the release liner and press STS into place.
5. While staggering the end laps, align the next course of STS so that it will cover the selvedge edge on the first course. Remove the protective liner covering the selvedge edge. Remove a small portion of the release liner and press STS into place to bond the two courses together. Continue with removing the release liner and pressing into place and bonding to the selvedge edge. **ROLL THE LAP** firmly with a hand roller.
6. Refer to applicable Building Codes when adhering STS Underlayment direct to deck. STS Underlayment can be directly applied to wood decks. Although not required, it is suggested to prime wood deck surfaces with MFM Prime-A-Seal or an equivalent prior to installation of STS Underlayment.
7. **ALL LAP SEAMS MUST BE FIRMLY ROLLED WITH A HAND ROLLER.** All edge laps must be a minimum of 3 inches or covering the selvedge edge. All end laps must be a minimum of 6 inches.
8. The specially formulated adhesive for STS Underlayment requires firm, even pressure to be most effective. Roll the entire surface with a heavy weight roller to ensure full contact with the substrate. Use a broom if slope prohibits rolling. It is recommended to use a roller that weighs a minimum of 40 pounds.
9. STS must be covered; it can not be used in applications where it could be left exposed like crickets and exposed valleys applications. STS Underlayment may be left exposed up to 180 days. Miami-Dade County NOA for exposure limitations may differ from those advertised; refer to the NOA LIMITATIONS.
10. Please refer to local building codes for type of nail to be used and back nailing requirements prior to installation. Although not required, it is recommend to back nail STS in applications with slopes of 6:12 pitch or greater. Nails should be placed in selvedge edge seam at a minimum of 1 inch from the edge and a minimum rate of 12" on center and be covered by the next course of membrane. Roll the lap seam firmly with a hand roller.
11. STS does not need to be removed for re-roofing. Make sure the original installation of STS is clean, smooth, dry, and free from sharp edges and large holes. If recovering with a self-adhering underlayment, prime the entire surface MFM Prime-A-Seal® and let primer fully cure and dry before applying new layer of underlayment. Mechanically attached underlayments may be installed directly over the previously installed STS underlayment.



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12. Damaged STS may be repaired by using MFM Spray Adhesive™ (or an equivalent) to the area to be repaired with a minimum of 6 inches in all directions. Follow the directions and cure times printed on the can before applying STS. Cut the STS Underlayment patch to size, remove release liner, and press into place while minimizing wrinkles. **ROLL THE ENTIRE AREA FIRMLY WITH A HAND ROLLER** to ensure full contact. The repair laps should be installed to be water shedding. It is recommended an asphalt based caulk be applied to the leading edge at a minimum when lap repairs cannot be water shedding.
13. It is recommended all end laps of mastic to fabric must be a minimum of 6 inches with the surface prepared with MFM Spray Adhesive™ (or an equivalent). Follow the directions and cure times printed on the can before lapping STS underlayment. **ROLL THE ENTIRE LAP AREA FIRMLY WITH A HAND ROLLER** to ensure full contact.
14. It is recommended that STS Underlayment have a minimum cure time of 24 hours cure time before loading / stacking tiles.
15. Refer to the MFM's Recommended Tile Loading and Stacking Diagrams with STS Underlayment. A maximum of 8 tiles per stack are allowed when loading tiles onto STS Underlayment. Battens and/or counter battens must be used on slopes of 6:12 pitch or greater to prevent tile sliding during loading process.

**MFM RECOMMENDED TILE STACKING AND LOADING DIAGRAMS (maximum of 8 tiles)**  
**SIDE VIEW of Tile Stacking**                      **TOP VIEW of Tile Stacking**



16. Any questions regarding MFM STS Underlayment contact MFM Building Products Corporation at 800-882-7663.
17. **Always check with local building codes regarding limitations of specific applications. Local codes may supersede MFM's requirements and recommendations.**

**END OF THIS ACCEPTANCE**

