

Evaluation Report "Ultra HT Wind & Water Seal™" Roof Underlayment

Manufacturer:
MFM Building Products Corp.

525 Orange Street
Coshocton, Ohio 43812
(740) 622-2645

for

Florida Product Approval

FL 11842.5 R3

Florida Building Code 5th Edition (2014)

Method: 1 - D

Category: Roofing

Sub - Category: Underlayment

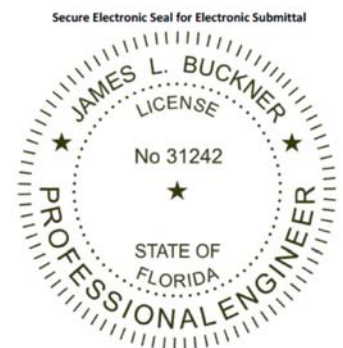
Product: "Ultra HT Wind & Water Seal™"
Description: Self-Adhered Underlayment

Prepared by:

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Florida Professional Engineer # 31242
Florida Evaluation ANE ID: 1916
Project Manager: Diana Galloway
Report No. 15-115-UHT-ER
(Revises 13-161-UHT-ER,FL16562.1)
Date: 4 / 02 / 15

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A handwritten signature in black ink, appearing to read "James L. Buckner".

Digitally Signed by: James L. Buckner, P.E.

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|--------------------------------------|---|
| Manufacturer: | MFM Building Products Corp. |
| Product Name: | “Ultra HT Wind & Water Seal™” |
| Product Category: | Roofing |
| Product Sub-Category | Underlayment |
| Compliance Method: | State Product Approval Rule 61G20-3.005 (1) (d) |
| Product Description: | “Ultra HT Wind & Water Seal™” is self-adhering membrane composed of a white, non-slip cross-laminated polymer film, laminated to a rubberized asphalt adhesive with a split release liner designed for use as a roof underlayment in high temperature conditions. |
| Product Material / Standards: | Material Type: Styrene Butadiene Styrene (SBS) Material shall comply with ASTM D 1970 per Florida Building Code FBC 5th Edition (2014), Chapter 15. |
| Product Dimension(s) | Roll Size: 36 in. x 67 ft. rolls Thickness: 45 mils (nominal) |
| Substrate(s): | “Ultra HT Wind & Water Seal™” has been evaluated for application to the following substrates (Design of support is outside the scope of this evaluation): <ul style="list-style-type: none">• Plywood• Dens Deck |
| Installation: | General Installation Instructions: “Ultra HT Wind & Water Seal™” shall be installed in accordance with the attached installation method and in compliance with applicable code sections of the FBC 5th Edition (2014), subject to the Limitations and Conditions of Use listed in this Evaluation Report. Refer to installation details at the end of this report. Refer to manufacturer’s installation instructions as a supplemental guide for attachment. |

- Performance Standards:** The product described herein has demonstrated compliance with:
- **ASTM D 1970-09** – *Specification Self-adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roof Underlayment for Ice Dam Protection*
- Standards Equivalency:** The ASTM D 1970-01 standard version used to test the product meets the prescribed standards in ASTM D 1970-09 standard version adopted by the Florida Building Code 5th Edition (2014) for use as evaluated in this report.
- Code Compliance:** The products described herein have demonstrated compliance with ASTM D 1970-09 of Florida Building Code 2010.
- Evaluation Report Scope:** This product has been evaluated in compliance with the building envelope requirements of the Florida Building Code, as related to the scope section to Florida Product Approval Rule 61G20-3.001.
- Product Limitations and Conditions of Use:**
- Deck shall be in compliance with applicable building code.
 - Minimum slope shall be 2:12 or greater.
 - Installation is limited to use with approved roof coverings that are mechanically fastened through the underlayment and is attached to the sheathing or rafters.
 - Not to be applied over active solvents or sealants, EPDM rubber or products containing silicone.
 - Do not expose product to direct sunlight for more than 60 days.
- General Limitations and Conditions of Use:**
- Scope of “Limitations and Conditions of Use” for this evaluation:
This evaluation report for “Optional Statewide Approval” contains technical documentation, specifications and installation method(s) which include “Limitations and Conditions of Use” throughout the report in accordance with Rule 61G20-3.005. Per Rule 61G20-3.004, the Florida Building Commission is the authority to approve products under “Optional Statewide Approval”.
 - Option for application outside “Limitations and Conditions of Use”
Rule 61G20-3.005(1)(e) allows engineering analysis for “project specific approval by the local authorities having jurisdiction in accordance with the alternate methods and materials authorized in the Code”. Any modification of the product as evaluated in this report and approved by the Florida Building Commission is outside the scope of this evaluation and will be the responsibility of others.
 - Fire Classification is outside the scope of Rule 61G20-3, and is therefore not included in this evaluation.
 - This evaluation report does not evaluate the use of this product for use in the High Velocity Hurricane Zone code section. (Dade & Broward Counties)

Quality Assurance: The manufacturer has demonstrated compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.0005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity through Keystone Certifications, Inc. (FBC Organization ID# QUA 1824).

- Referenced Data:**
1. ASTM D 1970-01 Test
By PRI Construction Materials Technologies, Inc.
(FBC Organization ID# TST 1556)
Report No. MFM-039-02-01, Date: 8/15/13
 2. Equivalency of Test Standard Certification
By James L. Buckner, P.E. @ CBUGK Engineering
(FBC Organization # ANE 1916)
 3. Quality Assurance
Keystone Certifications, Inc. (FBC Organization ID# QUA 1824)
MFM Building Products Corp. Licensee #335
 4. Certification of Independence
By James L. Buckner, P.E. @ CBUGK Engineering
(FBC Organization # ANE 1916)

INSTALLATION METHOD

MFM Building Products Corp.

Ultra HT Wind & Water Seal

Self-Adhered Roofing Underlayment

General Installation Instructions:

- Product to be applied directly to a clean dry surface.
- Prime any weathered surfaces. Dens Deck must be primed with asphalt base primer.
- Starting at the low point of the deck, peel back 12" of the release liner, align the membrane and press into place onto roof deck.
- Adhesive is pressure-activated, so press firmly into place using uniform pressure with a 2-3" heavy steel or rubber roller to seams and overlap.
- Overlap end laps a minimum of 6". Side laps must be a minimum of 3".
- Store product in the carton in a dry place until ready to use. Keep product out of direct sunlight.
- Apply membrane only in fair weather when the air, surface and membrane are at a minimum temperature of: 50° F
- Not to be applied over active solvents or sealants, EPDM rubber or products containing silicone.
- Do not expose product to direct sunlight for more than 60 days.

Refer to the manufacturer's installation instructions as a supplemental guide for attachment.

Product Illustrations

