

**MFM Building Products Corp.** manufactures a wide range of innovative waterproofing products for the building industry. Founded in 1961, MFM products are engineered for superior performance and ease of installation.



## DESCRIPTION

Premium HT Tile & Metal™ is a self-adhering roof underlayment composed of a high-grade, reinforced polyester fabric laminated to **high-temperature** asphalt adhesive system rated to 250°F. It also features a fiberglass-reinforced core. A release liner protects the adhesive and is removed during installation. Product features a 3" selvedge edge to ensure a secure, monolithic seal. The surface fabric offers excellent traction for good footing and for stacking tiles during construction.

## USES

Premium HT 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. It may also be used underneath cedar shakes, and synthetic and asphalt shingles.

## INSTALLATION

Premium HT installs directly to wood, OSB, metal or insulated roof deck, where allowed by code. The roof deck surface must be clean and dry. It will adhere best to a surface primed with an MFM-approved primer. Corroded metal, OSB and masonry must be primed. See website for approved primers.

- Install in a shingle-like manner so that water flows over the seams
- Starting at the eave, unroll horizontally with the selvedge edge at the top
- Remove 12"-18" of the protective release liner, align and stick in place
- Continue removing the release liner by pulling from underneath the roll and press Premium HT into place as you go
- Position the next course of Premium HT so that it will cover the selvedge edge on the first course and install membrane
- All edge laps must be a minimum of 3" or cover the selvedge edge and 6" for end laps
- Roll entire membrane with a large push roller, paying special attention to all overlaps and seams
- Cover membrane within 180 days
- Metal drip edge, valley and wall flashings should be installed under the Premium HT membrane
- For vertical surfaces, it should extend up the wall a minimum of 3" and the exposed edge protected by metal flashing – Premium HT may also be installed vertically on roofs with a very steep pitch
- Depending upon the pitch, roll membrane either from the ridge or eave
- Minimum slope is 3:12 pitch unless limited by local codes
- For valleys, roll Premium HT the entire length of the valley – lap the field Premium HT over the valley membrane a minimum of 3" prior to the installation of the valley metal or self-adhering flashing

## RE-ROOFING OVER PREMIUM HT TILE & METAL

Premium HT does not have to be removed for re-roofing. Make sure the original membrane is clean and smooth. If recovering with a self-adhering product, prime the entire roof with an MFM-approved primer before applying new membrane. Mechanically-attached underlayments may be installed directly over the existing Premium HT membrane.

## WARNINGS

- Premium HT must be installed in accordance with local building codes
- When loading roof tiles, do not exceed a maximum stack of 8 tiles on a 6:12 pitch – loading boards may be used on top of underlayment
- Premium HT is a vapor barrier – allow for proper roof ventilation
- If using under copper, zinc, or Cor-Ten®, please contact MFM Technical Services for proper installation instructions
- Miami-Dade County approved – NOA approval limitations may differ from those advertised
- **DO NOT** install over EPDM, PVC, TPO or silicone roofing materials
- **DO NOT** install over silicone caulking, or uncured solvents or sealants
- Installer is responsible for compatibility with all caulks, sealants and primers

## PRODUCT DATA

Installation Temperature Range	>50°F <250°F
Material Color	White
Roll Size/Rolls per Carton	36" x 67 ft - 1 Roll per Carton
Carton Weight	66 lbs
Gross Area per Carton	200 ft <sup>2</sup>
Cartons per Pallet	30

## TECHNICAL SPECIFICATIONS

Property	Test Method	Result
Material Thickness	ASTM D 5147	60 Mils nom.
Maximum Load MD	ASTM D 2523/1970	>60 lbf/in-w
Maximum Load CMD	ASTM D 523/1970	>40 lbf/in-w
Low Temperature Flexibility	ASTM D 1970	Pass
Thermal Stability	ASTM D1204/1970	Pass
Dimensional Stability	TAS 103	Pass
Tear Strength MD	ASTM D4073/1970	>90 lbf
Tear Strength CMD	ASTM D4073/16970	>55 lbf
Vapor Permeance	ASTM E 96	≤0.1 perms
Nail Sealability	ASTM D 970/7349	Pass
Elongation MD	ASTM D 2523/1970	>20%
Elongation CMD	ASTM D 2523/1970	>25%
Adhesion to Plywood @ 75°F	ASTM D 903/1970	≥12 lbf/ft-w
Adhesion to Plywood @ 40°F	ASTM D 903/1970	≥2 lbf/ft-w
Accelerated Aging	TAS 103	Pass
Ultraviolet Resistance	TAS 103	Pass
Puncture Resistance	TAS 103	Pass
Wind Uplift	TAS 103	Pass
Tile Slippage Resistance	TAS 103	Pass

\*Some results listed may be the test method criteria and not actual test results.

## PRODUCT NUMBER | UPC CODE

36" - 47201	7 25799 47201 1
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## APPROVALS

Premium HT Tile & Metal meets the requirements of ASTM D 1970, TAS 103-95, Florida Building Code 11842 and Miami-Dade County approved. Product is currently being evaluated for other approvals.



## 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 directions.

**For the most current Installation Instructions, Warranties, Technical Specifications and Approvals, visit [www.mfmbp.com](http://www.mfmbp.com).**