



Application Instructions

Self-stick **Ultra HT Wind & Water Seal**[®] is intended for use as a waterproof roof underlayment under shingles, tile, metal and other types of roofing. It may also be used for additional protection around the roof deck perimeter, chimneys, valleys skylights and penetrations. Ultra HT seals around punctures and provides roof deck protection when the main roof is damaged or blown off.

- 1) MFM recommends that the product be applied at ambient temperatures (surface & air) above 50°F (10°C) on decks having minimum roof slopes of 3:12. If applying at cooler temperatures, use MFM Low-VOC Spray Adhesive™ on the seams and overlaps to ensure a good seal. Ultra HT may also be mechanically attached. Also see Cold Weather Instructions on Page 2.
- 2) The surface to which Ultra HT is to be applied must be smooth, clean, dry and free of contaminants. Use an MFM-approved primer as necessary to prepare the deck. You **must** use a primer if installing over concrete, weathered wood, Densdeck or similar surface.
- 3) Starting at the low point of the deck, peel back about 12" (30cm) of the release liner, align the roll, and carefully press membrane into place. Unroll the material along the deck, removing the release liner as you go.
- 4) The adhesive on Ultra HT is pressure-activated, so press the material firmly into place using a hand roller or large push roller to assure a good seal. Pay special attention to all seams and overlaps. If necessary, use MFM Low-VOC Spray Adhesive™.
- 5) Overlap ends at least 6" (15cm) and side laps at least 3" (7cm).
- 6) Ridges, valleys, chimneys, dormers and other areas requiring flashing need special attention. It is not designed to withstand structural movement or to bridge openings greater than 1/8" (.3cm). Ultra HT has a strong bond when overlapped onto itself. It is recommended that all deck seams be taped with a 4" (10cm) seam tape like MFM Roof Deck Tape[®]. Take special care that the overlap is a minimum of 6" (15cm) and that seams are taped in a shingled fashion so the water will flow over the laps.
- 7) Where Ultra HT terminates on a vertical surface, it should be nailed securely and sealed with an exterior-grade polyurethane or latex caulk. Do not install over active solvents or sealants, flexible vinyl gasketing, EPDM rubber, or caulking containing silicone as this may cause the asphalt adhesive to liquefy and run.
- 8) Shingles, metal roofing, tile or other protection from reflective sunlight must be applied over Ultra HT. Membrane must be covered within 90 days of installation.
- 9) Membrane should NOT be folded over roof edge unless covered by a gutter, mechanically fastened every 6" (15cm) or protected with other flashing materials.
- 10) For use on vertical surfaces, proper ventilation of the wall system is required by leaving a minimum air gap of 1" (2.5cm). During installation, use termination bars and button caps 6" (15cm) on-center in the overlap areas.

WARNINGS:

- **Roof work can be dangerous - work carefully. Avoid falls by using safety harnesses, roof jacks and other proper equipment. Use caution when walking or standing on the product!**
- **Refer to NRCA "ROOFING & WATERPROOFING MANUAL" for complete information about roofing details.**
- **Product is a vapor barrier - allow for proper ventilation.**
- **If using under copper, zinc, or Cor-Ten[®], please contact MFM Technical Services for proper installation instructions.**
- **If using under clay or concrete tiles, refer to your local building codes and approvals.**
- **Store material in carton - exposure to light will reduce adhesiveness. Keep product dry.**
- **DO NOT install over EPDM, PVC, TPO, silicone caulking and roofing materials or uncured solvents or sealants**
- **MFM will not warranty product when used on plank or tongue-and-groove boards that are not cured and still contain tree resin – resin is not compatible with the asphalt adhesive and will liquify it.**

For a list of MFM-approved primers, sealants and caulks, please refer to MFM Technical Bulletins at www.mfmbp.com. Questions can be directed to our Technical Services Department at 800-882-7663 or via email at info@mfmbp.com.

RECOMMENDED TEMPERATURES	RANGE	WITH MFM LOW-VOC SPRAY ADHESIVE™
Application Temperature Range (<i>Surface and Air</i>)	50°F – 105°F (10°C – 41°C)	Below 50°F (10°C)
Service Temperature Range	-20°F – 250°F (-29°C – 121°C)	Not Applicable



Cold Weather Application Instructions



MFM recommends that the product be applied at ambient temperatures (surface & air) above 50°F (10°C) on decks having minimum roof slopes of 3:12. **If applying at cooler temperatures, please follow the below guidelines:**

- 1) Use MFM Low-VOC Spray Adhesive™ on all seams and overlaps to ensure a good seal. Each can has approximately 50 to 60 sq/ft of coverage.
- 2) The underlayment must be mechanically attached in commercial and residential applications. In commercial applications using ridged insulation board, back screw using a roofing screw and a 2" (5cm) insulation plate with the next course of membrane covering the fasteners. Placement of the fasteners will be no closer than four feet (1.2m) away from valleys and penetrations and must be spaced no more than three feet (.9m) on-center. If product is not folded over the rakes edge and fastened to the fascia board, it must be mechanically fastened to the rake edge every 6" (15cm).
- 3) When plywood or OSB is used over a ridged insulation board, or when using just plywood or OSB, then button caps may be used in place of screws and plates. Place button caps in the same fashion as the screws and plates.
- 4) The surface to which the membrane is to be applied must be smooth, clean, dry and free from contaminants. Weathered OSB, Densdeck, waxy, and all concrete surfaces must be primed with an MFM-approved primer.
- 5) Store product in a controlled room or hot box at 50°F – 80°F (10°C – 27°C) when installing the underlayment under 50°F (10°C). The product should be in a controlled area for at least 6 hours prior to installation.
- 6) The membrane should not be folded over the roof edge unless covered by a gutter, mechanically fastened every 6" (15cm), or protected with other flashing materials.
- 7) Where the membrane terminates on a vertical surface, it should be fastened securely and sealed with an exterior-grade polyurethane or latex caulk. Do not install over active solvents or sealants, flexible vinyl gaskets, EPDM rubber, or caulking containing silicone as they may cause the asphalt adhesive to liquefy and run.
- 8) All exposed edges must be mechanically fastened down.
- 9) Follow all state and local building codes.

WARNINGS:

- **Roof work can be dangerous - work carefully. Avoid falls by using safety harnesses, roof jacks and other proper equipment. Use caution when walking or standing on the product!**
- **Refer to NRCA "ROOFING & WATERPROOFING MANUAL" for complete information about roofing details.**
- **Product is a vapor barrier - allow for proper ventilation.**
- **If using under copper, zinc, or Cor-Ten®, please contact MFM Technical Services for proper installation instructions.**
- **If using under clay or concrete tiles, refer to your local building codes and approvals.**
- **Store material in carton - exposure to light will reduce adhesiveness. Keep product dry.**
- **DO NOT install over EPDM, PVC, TPO, silicone caulking and roofing materials or uncured solvents or sealants**
- **MFM will not warranty product when used on plank or tongue-and-groove boards that are not cured and still contain tree resin – resin is not compatible with the asphalt adhesive and will liquify it.**

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MFM has posted a useful Blog story outlining several helpful tips when installing MFM self-adhering underlayments.

www.mfmbp.com/blog