



## Installation Instructions

**Tools Needed for Installation:** 1) Utility knife, 2) Hand Roller, 3) Exterior-grade Caulk and Caulking gun, 4) Gloves, 5) MFM Spray Adhesive

### **BEFORE APPLICATION, READ AND UNDERSTAND COMPLETE APPLICATION INSTRUCTIONS!**

**General:** Follow instructions carefully. Peel & Seal is a multi-purpose waterproofing material. The product may be used for residential and commercial roofs, mobile homes, porches and dormers, farm buildings, roof and gutter repair. Apply Peel & Seal in fair weather at temperatures above 55° F. A minimum slope of ½" per foot is required. **NO COATING IS REQUIRED.**

**Surface Preparation:** The surface to receive Peel & Seal must be clean, smooth, dry and free from oil, grease, solvents or debris. Before applying Peel & Seal over caulks, sealants or petroleum-based materials, allow any solvents to evaporate fully. Always prime plywood, OSB, composition board, masonry and other surfaces to obtain a smooth, clean surface. (Figure 2) A fiberglass base sheet may be nailed or mopped in place as necessary, but will require priming. Never install over tongue & groove or plank decks or organic base sheet.



Figure 1

Peel & Seal will adhere directly to most surfaces including wood, metal, fully cured masonry and existing smooth asphalt roofs and to rigid insulation board with foil facers. When the product is applied over plywood, approved insulation boards or other rigid board materials, first tape the joints using 4" Peel & Seal, duct or other plasticized, construction grade tape. Do not install Peel & Seal over EPDM rubber membranes or over urethane or urethane composite insulations. Because of the uncertain condition of existing roofs, MFM cannot guarantee the performance of Peel & Seal over mineral surfaces. **Never recover an existing roof where water has become entrapped in the roofing system or where the old surface cannot be made smooth, clean and dry.**

Contaminants such as moisture, oils, solvents, dirt and others will interfere with proper adhesion. Continuously check for proper adhesion during application. If Peel & Seal is not properly adhering, STOP application and refer back to the surface preparation section above.

**Installation:** Peel & Seal is easily installed by removing the release paper and pressing the aluminized membrane into place. Dirt or hand oils will interfere with good adhesion so the 3" lap areas must be kept clean. If contamination of this area occurs, wipe the

aluminized surface with a small amount of acetone or prime with Prime-A-Seal, as necessary.

Peel & Seal can be cut to fit using scissors or razor knife. (Fig. 2) Peel & Seal adheres to the deck and to itself when overlapped. When overlapping the product, 3" side laps and 6" end laps are required. Lap lines have been provided for your convenience.

When extraordinary conditions interfere with a smooth installation, a bead of exterior grade caulk may be necessary at the lap to avoid channels where water may enter the system. This situation may occur where flashings involve multiple changes in plane or where there is accidental wrinkling during installation. Use MFM Spray Adhesive to maximize adhesion at perimeters, flashings, vertical surfaces, repairs and other problem areas.



Figure 2

Peel & Seal should be installed perpendicular to the slope of the roof on slopes of up to 3" in 12", parallel on slopes exceeding 3" in 12". Installation should begin at the low point of the roof and proceed up the slope so water does not flow against the laps.



Figure 3

Place the sheet in the desired position and unroll about 10 feet to check alignment. Reroll to within 3 feet of the end. Peel off first 2 feet of release paper and adhere sheet to the substrate being careful to maintain proper alignment. (Fig. 3) Reroll onto the adhered portion so that free release paper can be reached. Slowly and carefully unroll the sheet, peeling the release paper and pressing into place as you go, making sure to eliminate air pockets and keeping the roll properly aligned. (Fig. 4) Roll entire 3" overlap with a hand roller to assure smooth, uninterrupted asphalt-to-

foil contact.

Rolling the exposed outside edge is especially important in achieving maximum performance. (Fig. 5)

Slight adjustments in direction are possible by guiding the roll during application. If a major change in direction is necessary, cut the sheet with a razor knife, overlap the sheet 6", realign and start again.



Figure 4



Figure 5

Small wrinkles are not desirable, but can be smoothed out and will not affect the roof's performance. Large wrinkles should be avoided and repaired, if necessary, by cutting and patching before the next roll is applied.

Where the field of the roof intersects a wall, Peel & Seal should extend up the vertical surface at least 4". Another strip of material about 12" in width should be installed as a counter flashing. This strip should extend 4" out on the roof and reach at least 4" above

the edge of the roof membrane. This counter flashing must be mechanically attached on the vertical surface using a metal termination bar and sealed with a bead of exterior grade caulk. All perimeters must be mechanically attached. REFER TO NRCA ROOFING & WATERPROOFING MANUAL FOR COMPLETE FLASHING AND PERIMETER DETAILS (available from National Roofing Contractors Association, One O'Hare Center, 6250 River Road, Rosemont, IL 60018).

**Patching & Repair:** Peel & Seal makes a versatile patching material for roofs, flashing and gutters. Repair any blisters or other irregularities to present a smooth surface. Clean surface and use primer or MFM Spray Adhesive. Apply the product directly to the area to be repaired and press tightly into place. A bead of exterior grade caulk is recommended at the exposed edges. (Fig. 6)



Figure 6

**Careful Surface Preparation:** Peel & Seal cannot adhere to a dusty, dirty or oily surface. Dirty surfaces must be washed and dried. Prime all porous surfaces as necessary to achieve good adhesion, including plywood, OSB and masonry. Use asphalt primer or other oil-based primer and allow to dry completely before application of the membrane. Avoid contamination of the overlap area with hand oils or other material. Always use a hand roller over the entire sheet. (Fig. 7) Use MFM Spray Adhesive for maximum adhesion at perimeters and flashings.



Figure 7

**Warm, Dry Conditions:** Peel & Seal must be used in dry conditions where the temperature of the membrane and the deck surface are 55° F or higher. It is possible to extend the temperature range by carefully using some of the following techniques: 1) keep Peel & Seal in a heated area until installed, 2) gently heat the deck area using a commercial grade electric air gun, 3) gently heat the membrane as it is applied using an electric air gun, 4) Use MFM Spray Adhesive.

**Substantial, Uniform Pressure:** Peel & Seal is pressure sensitive. Apply maximum pressure uniformly over the entire membrane using a hand roller, paying particular attention to the overlaps.

## WARNING:

- **Follow instructions carefully. MFM is not responsible for leaks caused by improper installation, structural faults or failure of underlying or adjacent materials.**
- **Install with a minimum slope of ½" per foot. Peel & Seal is not designed for installation where water ponds or for areas receiving foot traffic. Apply to clean, smooth, dry surface only at temperatures above 55° F.**
- **Avoid falls. Always use warning lines near the perimeter of the roof and wear adequate fall protection harnesses. Be alert to the location of the roof edge at all times.**

- Be sure that the roof surface to receive Peel & Seal is structurally sound and will support the weight of the installer, crew, equipment and any additional anticipated load.
- Peel & Seal is slippery, especially when wet. Use caution when walking or standing on the product.
- Peel & Seal is reflective and can contribute to sunburn. Protect skin and eyes and avoid prolonged exposure in direct sun.
- Store Peel & Seal in a dry place. Store material in carton as exposing Peel & Seal to light will reduce adhesiveness.

### Peel & Seal 10-Year Limited Warranty

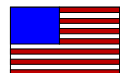
MFM Building Products Corp. (MFM) warrants to the original retail purchaser that Peel & Seal will be free from leaks caused by defects in materials or manufacturing for a period of ten years from the date of purchase when the material is installed strictly in accordance with the manufacturer's written recommendation as outlined in "Peel & Seal Instructions for Application." This warranty does not apply to misapplication or poor workmanship in the application of Peel & Seal. **MFM's only obligation shall be to repair or resupply, at its option, that portion of the defective Peel & Seal membrane where leaks occur, allowing in either case, only that portion of the purchase price which represents the ratio of the time the customer owned the product to the one hundred twenty month warranty period. All warranty claims shall be made in writing within 30 days of discovery directly to MFM at its address. 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 of this express warranty.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



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Made in USA



US Patents Nos. 4,936,938/5,096,759/5,142,837

#### Typical Peel & Seal Properties:

Roll Width	36", 18", 12", 9", 6", 4"
Roll Length	33.5'
Carton Coverage	100 sq. ft.
Carton Weight	32 lbs.
Thickness	45 mils
Tear Strength	640 g
Elongation	380%
Application Temperature	55° - 110° F
Service Temperature	-25° - 150° F



"As an ENERGY STAR® Roof Products Partner, MFM Building Products Corp. has determined that aluminum surface PEEL & SEAL™ meets the ENERGY STAR® guidelines for energy efficiency."