

Installation Instructions

Peel & Seal Self-Stick Roll Roofing

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Installation Instructions

Tools Needed for Installation: (1) Utility Knife (2) Hand Roller (3) Large Push Roller (80-100 lbs) (4) Exterior Grade Caulk and Caulking Gun (5) Gloves (6) MFM Low-VOC 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 (surface & air) 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. **EPDM must be primed with an approved EPDM Primer** before applying Peel & Seal®. Never apply Peel & Seal® over solvent-based or silicone caulks, sealants. Always prime weathered wood, composition board, masonry and other surfaces to obtain a smooth, clean surface. (Figure 1). A fiberglass base sheet may be nailed or mopped in place as necessary, but will require priming. Never install over tongue & groove 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.

When applying to EPDM rubber, an approved EPDM primer must be applied to the surface to receive Peel & Seal®. Do not install Peel & Seal® over urethane, urethane composite insulations, and silicone coatings. 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 protective release liner and pressing the membrane into place. Peel & Seal® is pressure sensitive. **Apply maximum pressure uniformly over the entire membrane using a hand or large push roller, paying special attention to any overlaps.** Dirt and hand oils will interfere with good adhesion so all lap areas must be kept clean. If contamination occurs, wipe the surface with a small amount of acetone or prime with an MFM approved primer, as necessary.

Peel & Seal® can easily be cut with scissors or a sharp utility knife (**Figure 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 are marked on the product for your convenience and will fade away over time.

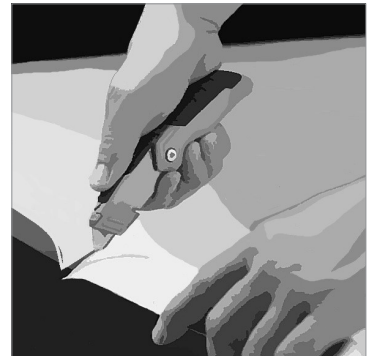


Figure 2

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

Peel & Seal® should be installed parallel to the slope of the roof. Installation should begin at the low point of the roof and proceed up the slope shingle fashion so water does not flow against the laps.

Low-Slope Roof Installation: MFM recommends using two installers when using Peel & Seal® as a whole roof covering. By following this installation method, you will not have to shift, guide or realign the membrane, which is critical in maintaining a watertight barrier.

Cut Peel & Seal® to the desired length. Without removing the release liner, lay the product onto the roof deck in the desired alignment and let the membrane relax into position. One installer should hold the end of the membrane taut while the other removes 2-3 feet of the release liner at the opposite end of the section. Press this exposed section onto the roof deck and press firmly into place. While the first installer ensures that the membrane remains taut at all times, the second installer should carefully pull away the release liner at a 90° angle, working towards the first installer. As the release liner is removed, press the membrane into place by hand. Continue removing the release liner till approx. 4-5' of the installer holding the membrane taut. Raise this section into the air, remove the remaining release liner; then lay membrane back into place.



Figure 3

Roll entire 3" overlap with a hand roller to assure smooth, uninterrupted asphalt-to-foil contact. Then roll the entire surface with a large push roller. Rolling the exposed outside edge is especially important in achieving maximum performance (**Figure 3**).

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 section 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 MFM approved 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 MFM approved primer or MFM Low-VOC Spray Adhesive[™]. Apply the product directly to the area to be repaired and press tightly into place. A bead of MFM approved exterior grade caulk is recommended at the exposed edges. **(Figure 4)**.



Figure 4

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 with an MFM-approved primer as necessary to achieve good adhesion, including plywood, OSB and masonry. Use an approved 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 large push roller over the entire sheet. **(Figure 5)** Use MFM Low-VOC Spray Adhesive for maximum adhesion at perimeters and flashings.

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 Low-VOC Spray Adhesive[™].



Figure 5

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

WARNINGS:

- 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® is a vapor barrier. Allow proper ventilation of the roof deck.
- DO NOT install over solvent-based or silicone caulking, PVC or silicone roofing materials
- Installer is responsible for compatibility of all primers, caulks and 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 system and will liquify it

Peel & Seal® 10-Year Limited Warranty

For complete technical data, warranty information, approvals, and literature, please visit www.mfmbp.com.



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Made in USA

Typical Peel & Seal® Properties

Roll Width	3", 4", 6", 9", 12", 18", 36"
Roll Length	33.5'
Carton Coverage	100 sq. ft.
Carton Weight	33 lbs.
Thickness	45-mil nominal
Tear Strength	640 g
Elongation	380%
Application Temperature	55° – 110°F
Service Temperature	-20° – 170°F