



JM EPDM Fully Adhered Membrane System Over Approved Decks or JM Insulation

General

This specification is for use over any type of approved structural deck which is suitable to receive a fully adhered membrane system. This specification is also for use over certain JM roof insulations which provide a suitable surface for the JM EPDM membrane. Insulation should be installed in accordance with the appropriate JM Insulation Specification detailed in Section 1 of the current EPDM Commercial Roofing Application Guide book. This specification can also be used in certain re-roofing applications.

Note: Consider all general instructions contained in the current EPDM Commercial Roofing Application Guide book as part of the specification.

Design

Consider local conditions and characteristics when designing, specifying and installing any roofing system. Information from the Single Ply Roofing Industry (SPRI), FM Global® and local building codes can provide guidelines for the designer.

Design and installation of the deck and/or roof substrate must result in the roof draining freely to outlets numerous enough and so located as to remove water promptly.

Deck Preparation

Ensure the deck is clean, dry and smooth. All deck fasteners should be driven flush to the substrate with no sharp edges. Holes and gaps should be evaluated and patched as appropriate.

Flashings

Refer to the Flashing Details in Section 3 of the EPDM Commercial Roofing Application Guide Book, or on the Web at www.jm.com/roofing.

EPDM Membrane Application

It is essential that JM products be correctly installed in order for the completed roofing system to perform properly. The following procedures are to be used in performing the various operations in installing roofing products:

Position the roll at the approximate application point, and unroll. If the membrane is wider than 16'8" (5.08 m), unfold the membrane to its fullest width. Move the membrane into place without stretching. Allow a minimum of 30 minutes before fastening or splicing so that the membrane can relax and release any tension induced by packaging and handling.

Apply the adjoining sheets in the same manner, lapping the edges a minimum of 3" (7.62 cm) for 3" Seam Tape applications and 6" (15.24 cm) for 6" Seam Tape applications. Sheets should be laid out in an offset pattern, with a minimum of 3' (91.44 cm) between adjacent end laps. Laps should be constructed with the upslope sheet overlapping the adjoining sheet in a shingle manner to avoid any laps opposing natural drainage.

Membrane Securement — Adhered

Once the membrane has been properly positioned, fold the sheet back along its entire length so that the underside of half of the sheet is exposed. The membrane must be smooth and free of wrinkles and buckles. Apply adhesive to both the membrane and substrate at 40°F (4°C) or above for best drying times and bond strength. Follow the application instructions for the type of adhesive utilized. **Do not apply adhesive to the areas of the sheet that will receive EPDM Seam Tape.** Once the adhesive is ready, roll the membrane into the adhesive on the substrate. Take care to avoid wrinkling the sheet. Apply pressure to the membrane surface, using a roller to obtain maximum contact between the two surfaces. Do not fully set any sheet edges that are to lap over an adjoining sheet. Fold back the other (unadhered) half of the sheet, and repeat the bonding procedure as described in the paragraph above.



JM EPDM MEMBRANE SPECIFICATIONS

SE4A, SE6A, SE9A, SE4RA, SE6RA, SE7RA Adhered Installation

Seaming of Laps

The splice area must be completely free of all dust, debris and other contaminants. Fold back the top sheet and hold the membrane away from the seam area using the "tack back" primer method or other acceptable means. Using a scrub pad apply primer to both the folded EPDM membrane and bottom sheet in an area wider than the lap to ensure bonding to a primed surface. Allow the primer to flash off to a tacky state.

Unroll approximately a 15" (38.1 cm) length of the tape and apply to the bottom sheet along the lap edge. Continue unrolling 15" (38.1 cm) lengths of EPDM Seam Tape and secure in place along the entire length of the seam. With the release liner still in place, roll the entire length of the seam with an appropriate roller to ensure good contact of the EPDM Seam Tape with the bottom EPDM sheet. Roll the top EPDM sheet back over the EPDM Seam Tape, with the release liner still in place, leaving approximately ¼" (6 mm) of tape exposed. Remove the release liner from the EPDM Seam Tape by peeling it back parallel to the roof surface and away from the splice at a 45° angle.

Hand roll first diagonally across the entire splice toward the outside edge, and then along the length of the splice. Provide sufficient pressure to ensure a good seal but avoid excessive pressure that could stretch or deform the tape. EPDM Seam Tapes splices must be overlapped a minimum of 2" (50 mm) to ensure a continuous tape surface. When there is a splice in the seam tape, that location must be stripped in with either 6" minimum Peel & Stick Flashing or a T-Joint patch.

Perimeter Attachment

Secure the JM EPDM roofing membrane at the perimeter and penetrations using Reinforced Termination Strip or mechanical fasteners as appropriate. Refer to the JM EPDM Flashing Details in Section 3 of the current EPDM Commercial Roofing Application Guide book for further information.

Note: For the most current information on general guidelines, please refer to the System Considerations tab under Systems Introduction & Selection on the JM Roofing Web site. For specifications, flashing details and general installation information please refer to the System Application tab.

Refer to the Safety Data Sheet and product label prior to using this product. The Safety Data Sheet is available by calling (800) 922-5922 or on the Web at www.jm.com/roofing.

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