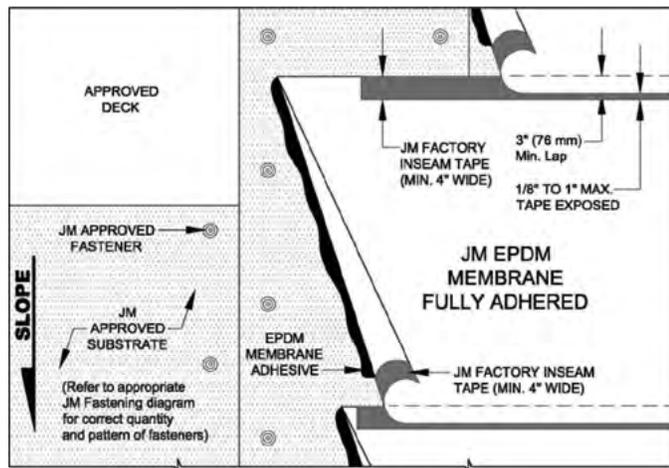
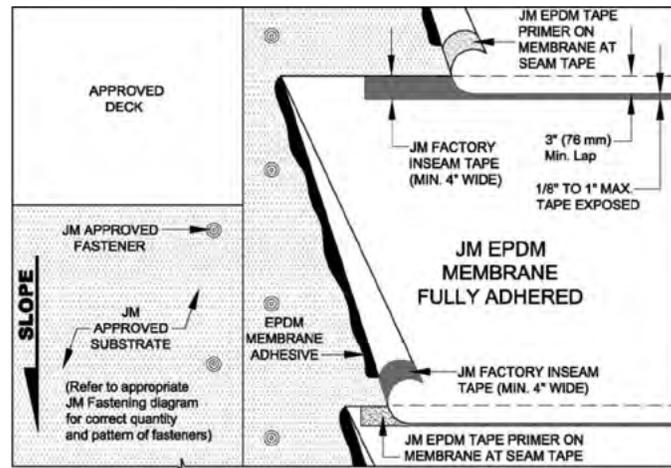


### Tape to Tape Installation Method



### Tape to Standard Sheet Installation Method



### JM EPDM Fully Adhered Membrane System Over JM Approved Substrate Fastened to an approved Deck

#### General

This specification is for use over any approved structural deck including wood decks which is suitable to receive a mechanically fastened insulation. This specification can also be used in certain re-roofing applications. Install insulation in accordance with the appropriate JM insulation specification detailed in the current JM EPDM Commercial Roofing Application Guide book.

- **Insulation:** Mechanically fasten using UltraFast Fasteners and Plates
- **Membrane:** Secure using approved adhesive

**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. Minor ponding is acceptable.

#### Deck Preparation

Ensure the deck is clean, dry and smooth so that the insulation lays flat. Steel decks must be a minimum 22 gage and FM approved fastening methods must be followed to achieve the desired uplift. Please check with the deck manufacturer for further guidelines.

#### 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](http://www.jm.com/roofing).

#### Roof Board Fasteners and Plates

Install UltraFast Fasteners and Plates at an appropriate rate determined by code, specification, and/or JM Guarantee requirements.

#### Insulation Application

Store products per manufacture's recommendations. Remove any wet product and discard.

A minimum offset of 6" (15.2 cm) is recommended from the previous layer of insulation. The top layer of insulation must be a minimum 1.5" (3.8 cm) thick.

Position the insulation with the long side of the board running parallel with the flutes of the steel deck only. Each of the edges must be centered on the flute top of a steel deck. No board widths less than 6" (15.2 cm) are allowed. Perimeters and corners fastener density must be enhanced per FM publication 1-29.

#### 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:

#### Tape to Standard Sheet Installation Method

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.

After unrolling the first sheet position adjoining sheets in the same manner, lapping the edges a maximum of 4" (10.16 cm) for 4" FIT sheets and 6" for 6" (15.24 cm) FIT sheets. 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.

**FIT Seaming Note:** On hotter days over 85 degrees F or in cases where the sheets are aligned while still cool but seaming will take place at a later time, overlap the sheets a maximum of 3" (7.62cm) for 4" FIT applications and 5" (12.7 cm) for 6" FIT applications on the upslope side where the seam tape faces up.

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](http://www.jm.com/roofing).

**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.

### 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.

### 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.

Once dry, roll the top sheet back into place forming the lap. Starting at one end of the lap, 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 using an appropriate roller 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 Tape 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.

### Tape to Tape Installation Method

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.

After unrolling the first sheet position adjoining sheets in the same manner, lapping the edges a maximum of 4" (10.16 cm) for 4" FIT sheets and 6" for 6" (15.24 cm) FIT sheets. 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.

**FIT Seaming Note:** On hotter days over 85 degrees F or in cases where the sheets are aligned while still cool but seaming will take place at a later time, overlap the sheets a maximum of 3" (7.62cm) for 4" FIT applications and 5" (12.7 cm) for 6" FIT applications.

Starting at one end of the lap simultaneously remove the plastic release liners on both the upper and lower JM EPDM FIT panels by peeling them back parallel to the roof surface and away from the splice at a 45° angle. If preferred, remove the lower liner first followed by the top liner being careful not to exceed more than a 18" distance between the two. Hand roll using an appropriate roller 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 Tape 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.

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