# MECHANICALLY ATTACHED EPDM ASSEMBLY PLATE

## Assembly Identification

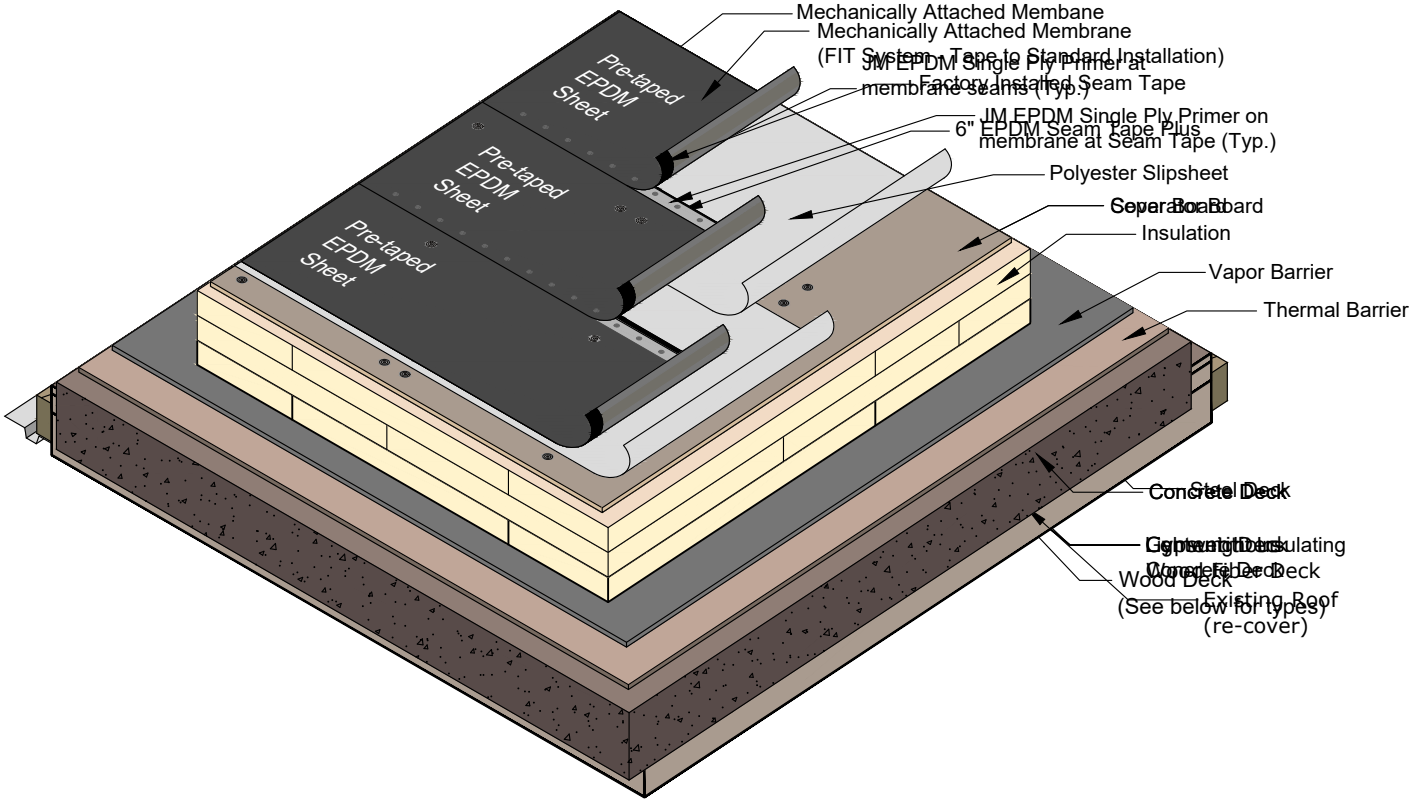
Membrane Thickness
4 = 45 MIL (1.14 MM)
6 = 60 mil (1.51 mm)
7 = 75 mil (1.90 mm)

S = Single Ply → SE6RM-FIT

EPDM Membrane

Membrane Type
R = Reinforced

Attachment
M = Mechanically Attached




For JM Guarantee Requirements Contact JM Technical Services at (800) 922-5922 Option 3 or Refer to the JM Peak Advantage Charges and Requirements-Single Ply document

EPDM Membrane and Specification Number:

| | |
|---|---|
| ☐ 45 mil | - SE4RM |
| ☐ 45 MIL (FIT SYSTEM) | - SE4RM-FIT |
| ☐ 60 mil | - SE6RM |
| ☐ 60 MIL (FIT SYSTEM) | - SE6RM-FIT |
| ☐ 75 mil | - SE7RM |

Seam Options:
- ☐ 6" JM EPDM Seam Tape Plus
- ☐ 6" (FIT) TAPE TO STANDARD

Separation Layer: (Re-cover only)
(If Applicable)
- ☐ JM 3 oz Polyester Slipsheet

Approved JM Insulations:
- ☐ ENRGY 3®
  (ENRGY 3 Options)
  - ☐ CGF
  - ☐ 20 PSI
  - ☐ 25 PSI
  - ☐ Tapered
  - Layer 1 Thickness _____
  - Layer 2 Thickness _____
  - Layer 3 Thickness _____

Approved Cover Boards: (If Applicable)
- ☐ RetroPlus™ Roof Board
- JM DEXCELL®
  - ☐ Glass Mat Roof Board
  - ☐ FA Glass Mat Roof Board
- JM SECUROCK®
  - ☐ Gypsum-Fiber Roof Board
  - ☐ Glass-Mat Roof Board
- ☐ JM DensDeck®Roof Board
- ☐ JM DensDeck Prime Roof Board
- ☐ ProtectoR™ HD Cover Board
- ☐ SeparatoR® CGF Recover Board
- ☐ SeparatoR™Board

Cover Board Thickness _____

Approved Vapor Barrier:
(If Applicable)
- ☐ DynaBase®(CA) (HA)
- ☐ DynaBase PR (CA) (HA)
- ☐ GlasPly®IV (HA)
- ☐ GlasPly Premier (HA)
- ☐ APPeX®4S (HW)
- ☐ DynaWeld™Base (HW)
- ☐ DynaBase HW (HW)
- ☐ DynaWeld 180 S (HW)
- ☐ JM APP™Base Sheet (HW)
- ☐ DynaGrip®Base SD/SA (SA)
- ☐ JM BaseGrip™ SD/SA (SA)
- ☐ JM Vapor Barrier SA (SA)
- ☐ 6 or 10 mil poly
  with taped seams

Approved Thermal Barrier:
(If Applicable)
- JM SECUROCK®
  - ☐ Gypsum-Fiber Roof Board
  - ☐ Glass-Mat Roof Board
- JM DEXCELL
  - ☐ FA Glass-Mat Roof Board
  - ☐ Glass-Mat Roof Board
- ☐ JM DensDeck Roof Board
- ☐ JM DensDeck Prime Roof Board

Thermal Barrier Thickness _____

Deck Type:
- ☐ Existing Roof (re-cover)
- ☐ Steel (22 Ga. Min.)
- ☐ Structural Concrete
  Nailable Decks include:
  - ☐ Cementitious Wood Fiber
  - ☐ Gypsum
  - ☐ Lightweight Insulating Concrete
  - ☐ Wood (Plywood, Plank, OSB)

Vapor Barrier Application Key (CA) Cold Applied (HA) Hot Asphalt (HW) Heat Weld (SA) Self Adhered

# MECHANICALLY ATTACHED EPDM ASSEMBLY PLATE

**General**
This specification is for use over any approved structural deck which is suitable to receive the above selected system. This specification is also for use over certain JM roof insulations which provide a suitable surface for the JM membrane. This specification can also be used in certain re-roofing applications.

**Note:**
Consider all general instructions contained in the current JM EPDM Application Guide as part of this 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 substantially within 48 hours of a rain event.

**EPDM Membrane Application**
Before installation, unroll and unfold the JM EPDM membrane and allow it to "relax". The laps of JM EPDM adhered systems must be kept free of dust, debris, moisture or other contaminants. Clean all dirty surfaces to receive JM Single Ply Membrane Primer (Low VOC) or JM EPDM Tape Primer with JM Weathered Membrane Cleaner prior to applying primer. Do not apply adhesive to the lap areas of the sheet that will receive seam tape. Where there is a splice in the seam tape, that location must be stripped in with either 6" min. JM EPDM Peel & Stick Flashing or a JM EPDM Peel & Stick T-Joint patch. The seam tape may be overlapped to form a continuous tape surface. Overlaps must be a minimum of 2" (51 mm). Expose ⅛" to ¼" (3 mm to 6 mm) of seam tape at all laps. Refer to details E-MS-05, 06, 07, 08 and 09 for lap fastening information. Refer to the JM EPDM Application Guide for further information.

JM Single Ply LVOC Caulk is required on all cut or non-encapsulated edges of reinforced membrane. This includes factory cut membrane. Refer to detail E-MS-01 for further information.

**Perimeter Attachment**
Secure the JM EPDM membrane at the perimeter and penetrations using JM EPDM Reinforced Termination Strip or mechanical fasteners as appropriate. Refer to JM EPDM flashing details for further information.

Appropriate JM membrane fasteners include:
- All Purpose Fasteners
- High Load Fasteners

Appropriate JM fastener plates include:
- High Load Plates
- APB Plates

**Flashings and Components**
Refer to the JM EPDM Flashing Details in the EPDM Roofing Systems Application Tools. Refer to the JM EPDM Accessories Schematic and the JM EPDM Accessories Selector Guide for available system components. JM approved adhesives for use on vertical flashing applications includes JM LVOC Membrane Adhesive (TPO & EPDM), JM Membrane Bonding Adhesive (TPO & EPDM) and JM EPDM Water Based Membrane Adhesive Refer to details E-FW-M1 and E-FW-M1I for additional vertical wall flashing information.

**Separation Layer** (Re-Cover Assemblies)
Separation layer products are intended for use between an existing roof and a new mechanically attached single ply membrane. SeparatoR™ Board is a mechanically attached product using 4 fasteners per 4'x4' board and 6 fasteners per 4'x8' board. Refer to the SeparatoR Board data sheet for further information. JM 3 oz Polyester Slipsheet is loose laid with a 3" minimum side lap and 6" minimum end lap. Sheets may be tacked into place as necessary. Refer to the JM 3 oz Polyester Slipsheet data sheet for further information.

**Cover Board Application**
A minimum offset of 6" (152 mm) is recommended from previous layers of insulation. No board widths less than 6" (152 mm) are allowed. Refer to the JM Cover Boards Selector Guide for JM Cover Boards product information. Refer to the Insulation Application section below for cover board securement information including adhered and fastened methods of attachment.

**Insulation Application**
A minimum offset of 6" (152 mm) is recommended from the previous layer of insulation. Loose laid insulations should be positioned with the long side of the boards running perpendicular to the EPDM sheet orientation and continuous. End joints should be staggered at least 12" (305 mm) from the end joint in adjacent rows. A minimum offset of 6" (152 mm) is recommended from plywood joints. Refer to the Insulation Installation Instructions document for further information.

Appropriate JM Insulation Fasteners Include:
- All Purpose Fasteners
- UltraFast Fasteners and Plates
- High Load Fasteners
- Structural® Concrete Deck Fasteners and Plates

Install fasteners and plates at an appropriate rate determined by building code, specification, and/or JM Guarantee requirements. Refer to the JM Minimum Fastening Requirements-Attached Membrane bulletin for further information.

Refer to the JM EPDM Mechanically Fastened Membrane FM Approvals document for Single Ply System Code and FM Global Approval information.

**Vapor Barrier Application**
All surfaces receiving vapor barrier must be clean and free from oil, grease, rust, scale, loose paint and dirt. The substrate may need to be cleaned according to JM Application Instructions, and any required primers installed. An adhesion test may need to be performed to determine if the substrate is adequate. Vapor barrier attachment methods include hot asphalt, cold adhesive, heat welded, and self adhered. Refer to the JM Vapor Barrier SA Installation Guide, the Vapor Barrier data sheets, and the Vapor Retarders section in SBS Roofing Systems for further information.

**Thermal Barrier Application**
Apply the units of approved JM thermal barrier products with long joints continuous. End joints should be staggered so that they are offset at least 12" (305 mm) from the end joints in adjacent rows. Thermal barriers provide a fire resistive layer in the roof assembly directly above the deck.

**Deck Preparation**
Before roofing work is started, the deck should be carefully inspected by the roofing contractor, the deck contractor, and the owners representative to determine that it will be able to receive the roofing system by some method which will hold the system securely, either by adhesion, ballast, or mechanical fasteners. Refer to the JM Roof Decks document in System Considerations for further information.

**Re-Roofing**
A large percentage of all commercial and industrial roofing pertains to re-roofing of existing buildings. Refer to the JM Re-Roofing document for inspection, testing, components and other valuable information pertaining to re-roofing projects.

**JM Guarantee Requirements**
JM Peak Advantage® Guarantees are available up to a 30 year term with approved components and assembly make-up. Refer to the JM Peak Advantage Guarantee Information document for additional guarantee information.

Refer to the JM Peak Advantage Guarantee Charges and Requirements-Single Ply document for guarantee information and guidelines.

Refer to the JM Peak Advantage Guarantee Specimen document to see a JM Peak Advantage Guarantee sample.

All guaranteed installations must follow the guidelines for the requested guarantee as outlined in the JM Single Ply Application Manual. Not all JM specifications are eligible for all JM Peak Advantage Guarantee terms or enhanced coverage. Please contact JM Guarantee Services at (800) 922-5922 Option 3 for specific requirements.

All projects requiring a guarantee from JM must be applied for a minimum 14 days in advance of job start.

Refer to the Preventative Maintenance Brochure for roof and building maintenance guidelines.