Assembly Identification

Membrane Thickness
- 6 = 60 mil (1.51 mm)
- 7 = 75 mil (1.90 mm)

S = Single Ply

R = Reinforced

EPDM Membrane

Attachment
- MF = Mechanically Fastened
  (Polymer Batten Bar)

Approved Base Sheets:
- (If Applicable) Over Nailable Deck
- DynaBase®
- DynaFast™ 180 S
- DynaLast™ 180 S
- GlasBase™ Plus
- GlasTite™ Flexible
- PermaPly 20
- Ventilation† Felt

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)

Approved Vapor Barrier:
- (If Applicable)
  - DynaBase® (CA) (HA)
  - DynaBase PR (CA) (HA)
  - GlassPly™ IV (HA)
  - GlassPly 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
  - JM DEXCELL®
  - FA Glass-Mat Roof Board
  - JM DensDeck® Prime Roof Board

Approved Insulations:
- ENRGY 3™
  - (ENRGY 3 Options)
- AGF
- CGF
- FR
- 20 PSI
- 25 PSI
- Tapered
- Invinsa Foam™

Approved Cover Boards:
- (If Applicable)
  - Invinsa® Roof Board
  - Invinsa FR Roof Board
  - RetroPlus™ Roof Board
  - JM DEXCELL®
  - FA Glass-Mat Roof Board
  - JM SECUROCK®
  - Gypsum-Fiber Roof Board
  - JM DensDeck® Prime Roof Board

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

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
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 located as to remove water substantially within 48 hours of a rain event.

EPDM-FIT Membrane Application (Tape to Tape)
Before installation, unroll and the JM EPDM-FIT membrane and allow it to “relax.” After unrolling the first sheet, position adjoining sheets in the same manner, lapping the edges a maximum 6” (15.24 cm) for 6” pre-taped 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 upstroke sheet overlapping the adjoining sheet in a shingle manner to avoid any laps opposing natural drainage. Fold back the top sheet and hold the membrane away from the seam area.

Remove the center strip of release liner from the EPDM Seam Tape by peeling it straight back. Position the batten strip on the top of the exposed tape strip. Install approved fasteners in the pre-drilled holes down into the deck. Take care not to over tighten the fasteners. Position the next sheet over the fastened batten strip leaving the tape seam tape exposed. Remove release liners - inner base tape liner first, outer base tape liner next, and the top sheet release tape liner last - pulling all three simultaneously at a 45° angle away from the splice. Hand roll using a 2” (50 mm) roller, first diagonally across the entire splice toward the outside edge, and then along the entire length of the splice. Where there is a splice in the seam tape, that location must be stripped in with either 5” min. JM EPDM Peel & Stick Flashing or a JM EPDM Peel & Stick T-Joint patch. Refer to detail E-MS-PT9 for lap construction 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 Reinforced Termination Strip or mechanical fasteners as appropriate. Refer to JM EPDM flashing details for further information.

For EPDM membrane information refer to the JM EPDM Membrane Selector Guide.

Flashings and Components
Refer to the JM EPDM Flashing Details in the EPDM Roofing Systems Application Tool. Refer to the JM EPDM Accessories Schematic and the JM EPDM Accessories Selector Guide for available System Components. Refer to detail E-FW-M1 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 Insuvinas Roof Board Codes and Application Brochure for further information. 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 Adhesives Include:
- JM One Step Foambale Adhesive
- JM Peel & Stick Insulation Adhesive (PSIA)
- JM Two-Part Urethane Insulation Adhesive (UTA)
- JM Green Two-Part Urethane Insulation Adhesive
- Hot Asphalt

Refer to JM drawing UA-12 INS for Adhesive Bead Patterns.

When installing a low rise urethane adhesive product for insulation boards, all surfaces must be clean, dry, smooth, compatible and free of dirt, debris, oil/grease and gravel. Apply JM urethane adhesive directly to the substrate and allow it to rise and build body before placing board stock into the adhesive. Board stock attachment requires the board stock to be walked in to ensure positive contact between the board stock, adhesive and substrate. When installing JM One-Step Foambale Adhesive, insulation boards must be set into the adhesive immediately and walked in due to the rapid curing time of the adhesive. Refer to the specific JM product data sheets of JM insulation adhesives listed above for coverage rates and specific application information.

When adhering insulation boards using hot asphalt, firmly set the insulation boards long joints continuous and short joints staggered, into a full width mopping of hot asphalt. Porous substrates may require greater amounts of asphalt. Concrete decks must be primed with Asphalt Primer prior to application of hot asphalt. Refer to the Insulation Installation Instructions document for further information.

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

For EPDM membrane information refer to the JM EPDM Membrane Selector Guide.

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

For EPDM membrane information refer to the JM EPDM Membrane Selector Guide.