ADHERED EPDM ASSEMBLY PLATE

Membrane Thickness
4 = 45 mil (1.14 mm)
6 = 60 mil (1.51 mm)
7 = 75 mil (1.90 mm)
9 = 90 mil (2.28 mm)

S = Single Ply
EPDM Membrane
R = Reinforced
Attachment
A = Adhered

Assembly Identification

Membrane Type

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 - SE4A
- 60 mil (Reinforced) - SE6RA
- 60 mil (FIT System) - SE6A
- 75 mil (Reinforced) - SE7RA
- 90 mil - SE9A
- 90 mil (FIT System) - SE9A-FIT

Seam Options:
- 3" JM EPDM Seam Tape Plus
- 6" JM EPDM Seam Tape Plus
- 4" (FIT) Tape to Tape
- 4" (FIT) Tape to Standard
- 6" (FIT) Tape to Tape
- 6" (FIT) Tape to Standard
- 3" JM EPDM Seam Tape Plus with JM 6" EPDM Peel & Stick Sealing Strip

Approved Cover Boards: (If Applicable)
- Invinsa™ Roof Board
- Invinsa Plus
- Invinsa FR Roof Board
- RetroPlus™ Roof Board
- JM DEXCELL
- FA Glass-Mat Roof Board
- Glass-Mat Roof Board
- JM DENSdeck Prime 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 Thermal Barrier: (If Applicable)
- JM SECURock
- Gypsum-Fiber Roof Board
- JM DEXCELL
- FA Glass-Mat Roof Board
- Glass-Mat Roof Board
- JM DENSdeck Roof Board
- JM DENSdeck Prime Roof Board

Approved Vapor Barrier: (If Applicable)
- DynaBase® (CA) (HA)
- DynaBase® PR (CA) (HA)
- GlassPly™ IV (HA)
- GlassPly Premier (HA)
- APPeX™ 4S (HA)
- 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 Base Sheets: (If Applicable)
- DynaBase®
- DynaBase® PR
- DynaFast™ 180 S
- DynaLastic™ 180 S
- GlasBase™ Plus
- GlasBase™ Flexible
- PermaPly™ 28
- 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)

Vapor Barrier Application Key
- (CA) Cold Applied
- (HA) Hot Asphalt
- (HW) Heat Weld
- (SA) Self Adhered
Follow the application instructions for the type of adhesive utilized.

**JML Single Ply LVD 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 JML EPDM membrane at the perimeter and penetrations using JML EPDM Reinforced Termination Strip or mechanical fasteners as appropriate. Refer to JML EPDM flashing details for further information.

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

**Flashing and Components**: Refer to the JML EPDM Flashing Details in the JML Roof Systems Application Tools. Refer to the JML EPDM Accessories Schematic and the JML EPDM Accessories Selector Guide for available System Components. Refer to detail E-FM-M11 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 Jinsroca Insulation Board Codes and Application Brochure for further information.

Refer to the JML Cover Boards Selector Guide for JML 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 lax 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 long 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.

**Application JML Insulation Adhesives Include**:
- JML One Step Fastenable Adhesive
- JML Roofing System Urethane Adhesive (RSU)
- JML Two-Part Urethane Insulation Adhesive (UA)
- JML Green Two-Part Urethane Insulation Adhesive
- Hot Melt Urethane Insulation Adhesive

Refer to JML 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 and grease. Apply JML 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 stacked in to ensure positive contact between the board stock, adhesive and substrate. When installing JML One Step Fastenable 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 JML product data sheets of JML 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.

**Application JML Insulation Fasteners Include**:
- All Purpose Fasteners
- UltraFast Fasteners and Plates
- Structural Concrete Deck Fasteners and Plates

Apply Hot Melt or Hot Glue Fasteners.

Install Fasteners and Plates at an appropriate rate determined by building code, specification, and/or JML Guarantee requirements. Refer to the JML Minimum Insulation Fastening Requirements-Membrane Adhered EPDM Assembly for further information.

Roof insulation plays a key role in energy efficiency shown in codes and standards that have mandated increasing minimum R-values in all U.S. climate zones. Local codes dictate the required R-values for commercial and industrial projects and the local jurisdiction should be consulted for this information.

Refer to the JML EPDM Adhered Membrane-Fasted Insulation FM Approvals documentation for single Ply System Code and FM Global Approval information.

Refer to the JML EPDM Adhered Membrane-Fasted Insulation FM Approvals documentation 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 JML 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 JML 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 as per approved JML 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.

**Base Sheet Application**: The bitumen base sheets for these systems are mechanically fastened. Refer to the "Blind" Fastening patterns section in SBS System Application Tools for Base Sheet fastening patterns and further information.

**Primer Application**: Surfaces must be free of oil, grease, rust, scale, loose paint and dirt, before or any dector prior to the application of top surface. Apply JML Primers between 40 degrees and 100 degrees F (4 degrees and 38 degrees C). Primers should be applied with no streaks or puddles and allowed to dry completely. Primer should be tacky but should not transfer to a dry finger.

**Deck Preparation**: Before roofing work is started, the deck should be carefully inspected by the roofing contractor, the deck owner, 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 JML Roof Decks document in System Considerations for further information.

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

**JML Guarantee Requirements**: JML guarantees are available up to a 30 year term with approved components and assembly make-up. Refer to the JML Peak Advantage Charges and Requirements-Single Ply document for additional guarantee information.

Refer to the JML Peak Advantage Guarantee Information document for additional guarantee information and guidelines.

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

All guaranteed installations must follow the guidelines for the requested guarantee as outlined in the JML Single Ply Application Manual. Not all specifications are eligible for all JML Peak Advantage Guarantee terms or enhanced coverage. Please contact JML Guarantee Services at (800) 922-0922 Option 3 for specific requirements.

All projects requiring a guarantee from JML 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.