

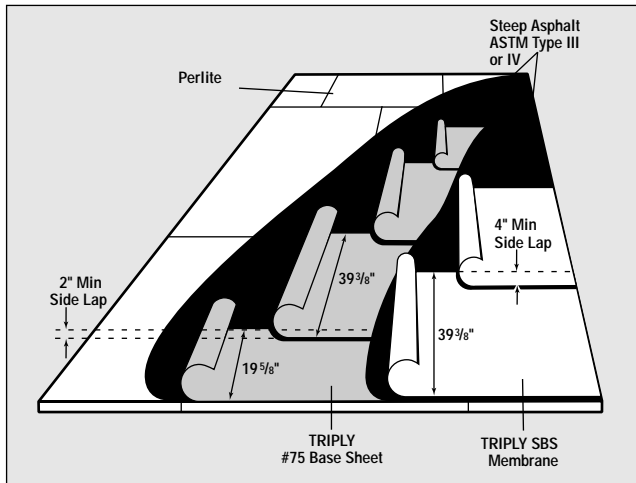
TRIPLY® SBS “GRANULAR” 2 PLY SYSTEM

Information Sheet



*Quality You Can Trust Since 1886...
From North America's Largest Roofing Manufacturer™*

“HOT APPLIED”



Substrate—Insulated decks
Slope—Up to 3 inches per foot.

Materials

TRIPLY Asphalt/Concrete Primer (if required)
 Perlite Insulation
 TRIPLY Insulation Fastening System
 GAF Materials Corporation Steep Roofing Asphalt ASTM D-312 Type III or IV
 TRIPLY #75 Base Sheet
 TRIPLY SBS GRANULAR

General

General application instructions shall apply in addition to the following recommendations and specifications. For additional information call 1-800-766-3411

Application Recommendations

1. Insulation must be mechanically attached throughout the entire roof area, at the rate of one fastener per 2 square feet of area minimum.
2. Install one ply of TRIPLY #75 Base Sheet over the Perlite in a solid mopping of Steep Roofing Asphalt ASTM Type III or IV. The side laps must be a minimum of 2 inches. The end laps must be a minimum of 4 inches.

As an alternative, a TRIPLY #75 Base Sheet can be simultaneously attached with TRIPLY screws and 3" metal plates. The side laps must be a minimum of 3 inches. Refer to general application instructions of fastening pattern.

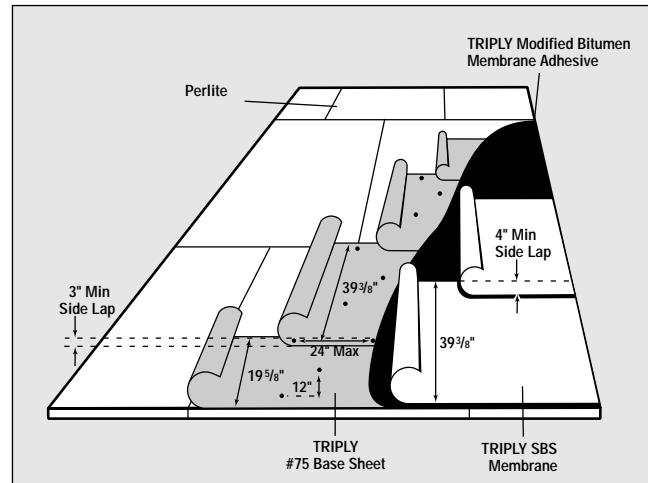
3. Starting at the low point of the roof, fully embed one ply of TRIPLY SBS Membrane in a nominal 25 pounds per 100 square feet (plus or minus 20%) continuous coat of Steep Roofing Asphalt ASTM D-312 Type III or IV. The TRIPLY SBS membrane must be positioned to provide 4 inch side laps and 6 inch end laps.

Note: The Steep Roofing Asphalt should be mopped at a minimum temperature of 400° F (with a target temperature of 425° F) or 20° F above the EVT, whichever is higher. Walking or pressing the seam and providing for a 1/4 inch to 1/2 inch asphalt flow out should be done to assure sound laps.

Torch Safety Precaution and Recommendations

See reverse side of this sheet.

“COLD APPLIED”



Substrate—Insulated Decks
Slope—1/4 - 3 inches per foot.

Materials

TRIPLY Asphalt/Concrete Primer (if required)
 Perlite Insulation
 TRIPLY Insulation Fastening System
 TRIPLY Modified Membrane Adhesive
 TRIPLY #75 Base Sheet
 TRIPLY SBS GRANULAR

General

General application instructions shall apply in addition to the following recommendations and specifications. For additional information call 1-800-766-3411

Application Recommendations

1. Install one ply of TRIPLY #75 Base Sheet over the perlite simultaneously attaching the base sheet and insulation to the deck using TRIPLY screws and plates. The side laps must be a minimum of 3 inches. The end laps must be a minimum of 4 inches. Refer to general application instructions of fastening pattern.
2. Starting at the low point of the roof, fully embed one ply of TRIPLY SBS Membrane in a uniform coating (1 1/2-2 gallons/square) of TRIPLY Modified Bitumen Membrane Adhesive. The TRIPLY membrane must be positioned to provide 4 inch side laps and 6 inch end laps.

Torch Safety Precaution and Recommendations

See reverse side of this sheet.

Safety Precautions/Considerations

Roofing is a hazardous activity. Workers must be properly trained to work in a manner to avoid falls, burns, back injuries, heat related afflictions, etc.

It is the sole responsibility of the roofing applicator to enforce fire safety precautions and to ensure safety at all times. All appropriate OSHA and local codes should be followed in the application of roofing. All personnel involved in roofing should be properly trained in safety and fire procedures. Proper clothing and equipment should be worn at all times on the job site.

We refer you to the National Roofing Contractors Associations Passport to Safety booklet which addresses numerous safety concerns.

National Roofing Contractors Association
O'Hare International Center
10255 West Higgins Rd. Suite 600
Rosemont, IL 60018-5607
(708) 299-9070

Specific Recommendations for Hot Applications

Membrane Installation

Starting at the low point of the roof, fully embed the mop applied TRIPLY Membrane in a 25 pounds per 100 square feet (plus or minus 20%) continuous coating of Steep Asphalt, ASTM Type III or IV. At the point of application, the asphalt must be a minimum of 425° F or the EVT, whichever is higher. The TRIPLY Membrane must be positioned to provide minimum 4 inch side laps and minimum 6 inch end laps. End laps shall not occur in a continuous line and should be offset by a minimum of 3 feet to insure sound lap sealing. Additional pressure to lap areas is suggested. This can be done by using a roller or continually stepping the seams. A minimum of 1/4 inch flow out of asphalt past the edge of the seam is required.

Unlike torch applied TRIPLY Membranes, mop applied TRIPLY SBS Membranes may be used in conjunction with TRIPLY Modified Bitumen Flashing Cement, particularly for flashing applications.

Occasionally, a roll of TRIPLY membrane will contain a splice that was fabricated as part of the manufacturing process. These splices are marked. Cut out all splices, and treat as an end lap area.

Specific Recommendations for Cold Applied Applications

General

TRIPLY SBS mop applied membranes are ideally suited for use with specially formulated TRIPLY cold-applied modified bitumen adhesives, which are applied using trowel, spray equipment, brush or squeegee. This application method is ideal for low-slope commercial applications where torch or hot asphalt installation is not practical but a high quality roofing system is desired. *Do NOT use cold process adhesives to install TRIPLY torch grade products.*

Adhesives

Only TRIPLY Modified Bitumen Adhesive and TRIPLY Modified Bitumen Flashing Cement are acceptable for use in installing TRIPLY membranes. Both of these products are asbestos-free. *Prior to use, you must insure that these adhesives comply with the local maximum VOC/VOS requirements.*

Membrane Installation

Refer to the TRIPLY SBS Cold Applied Specifications.

- Adhesives and cements must be applied at the rate and in the manner recommended on the label of the adhesive/cement container. The adhesives and cements may be applied with a notched rubber squeegee, notched trowel, brush, or spray. Enough adhesive should be applied to insure adhesion of the membranes without applying amounts in excess of the recommended amount, which could lead to blistering.
- CAUTION: Cold process adhesives and cements contain combustible solvents and should be used only with adequate ventilation, and away from heat, open flames, or sparks.
- CAUTION: Only properly trained and equipped professional roofing contractors experienced in the installation of modified bitumen membranes with cold process adhesives should install these systems.
- When installing TRIPLY SBS membranes perlite insulation with adhesive, the insulation surface should first be primed with asplatt primer (ASTM D-41) spray applied at the rate of 1/2 gal. per 100 sq.ft.
- Sufficient adhesive must be present between the laps to provide a continuous visible bead of adhesive at the lap. Laps must be stepped down or rolled to insure intimate contact with the adhesive. At the end of the day's work, all laps should be carefully inspected to insure that all seams are properly sealed.
- Avoid walking on the membrane during and immediately after its application, as the membrane may shift in uncured adhesive.
- All roof traffic should be **prohibited** after installation until the adhesive cures. Depending on climatic conditions, this normally takes from two (2) to four (4) weeks.
- Proper and adequate drainage of the roof surface is required. *A minimum of 1/4" per foot (21mm/m) incline is required with proper grading to and placement of outlets.*
- For slopes over 1/2" per foot (42 mm/m), the felts must be installed parallel to the incline and must be backnailed.
- Over Isocyanurate insulation, an overlay of Perlite or Composite roof insulation is required. Do NOT install roof insulation in cold process adhesive.
- Spot or strip attachment of the base sheet in cold process adhesive is NOT permitted.
- If TRIPLY base sheet is to be installed in cold process adhesive, it must be cut into 18'-36' (5.5-11m) lengths and allowed to relax prior to re-rolling and final installation.
- TRIPLY SBS products should be cut into 12' - 18' (3.7 - 5.5m) lengths and allowed to relax prior to re-rolling and installation in the cold process adhesive.
- TRIPLY Modified Bitumen Flashing Cement should be used in the standard flashing constructions in lieu of hot asphalt.
- In cooler weather, cold process adhesives become more viscous and difficult to apply. Care must be taken to insure that the adhesives are applied at the proper rate. Application should be delayed if the temperature is below 50° F (10° C), or if inclement weather threatens.