

GAF MATRIX™ 102

SBS Membrane Adhesive



Description:

MATRIX™ 102 SBS Membrane Adhesive is an asbestos-free, fiber-reinforced rubberized adhesive with a bonding strength designed specifically for cold-applied modified bitumen membranes.

- Exceptional bonding strength and high flexibility to accommodate temperature-related expansion and contraction of the roof system
- Exclusive SURE GRIP™ Technology with superior bonding strength and high flexibility
- Low-odor formulation for a better environment for installer and building occupants
- Easy application with sprayer, brush, or notched squeegee. See back of sheet for application and surface preparation details.
- Maintains excellent low-temperature flexibility

Uses:

MATRIX™ 102 SBS Membrane Adhesive is a cold-applied adhesive for modified bitumen systems (in place of hot asphalt) to adhere:

- SBS base, interply and cap sheets
- Existing smooth asphalt roofs
- Type G2 asphalt-coated glass base sheet

Physical Properties

Weight	9.3 lb. (4.2 kg) per gallon
VOC (max)	15,000 – 20,000 cps
Non-volatile content	70% minimum
SETA Flash Point	105°F (40.6°C)

Code Approvals:

- Classified by UL in accordance with ANSI/UL 790. (Refer to UL Product iQ for actual assemblies)



- FM Approved (Refer to www.RoofNav.com for actual assemblies)



- Miami-Dade County Product Control Approved



- Meets or exceeds the requirements of ASTM D3019 Lap Adhesive used with Asphalt Roll Roofing, Type III.

- State of Florida Approved

Packaging:

MATRIX™ 102 Premium SBS Membrane Adhesive is available in

- 5 gal. (18.9 L)

Precautions:

Compatibility & Limitations:

Do not use on wet or damp surfaces, directly over wood, or on surfaces previously covered with coal tar products. Do not install over or under polystyrene insulation.

NOTE: MATRIX™ 102 SBS Membrane Adhesive should not be used with any APP-modified or any modified bitumen membranes that have a plastic film surface or are metal foil-faced. Do not use with burn-off film membranes.

Temperature Range:

Apply only when temperatures are 45°F (7.2°C) and rising. Cold weather will cause product to stiffen, making application difficult. Store 24 hours at room temperature prior to application. Do not heat container or attempt to thin this product.

Do not apply on substrates that exceed 140°F (60°C).

Storage/Handling & FIRE WARNING:

MATRIX™ 102 SBS Membrane Adhesive is COMBUSTIBLE and should always be kept away from heat, open flame, and any source of ignition. Observe normal safeguards for storing and handling of this product prior to and during application. Do not allow adhesive to freeze.

Important: Repair leaks promptly to avoid adverse effects, including, but not limited to, mold growth.



Surface Preparation:

All surfaces must be clean, dry, and free from any foreign matter, such as oil, grease, dirt, or debris that could inhibit the bonding capabilities of the adhesive. On existing roofs, inspect roof deck condition; moisture in old roof may require complete removal of existing roof.

Check local building codes; local building codes may require complete removal of existing roof. Contact GAF Design Services for details on cutting out and repairing blisters, buckles, and raised edges for a smooth surface. Check all flashings, edges, drains, valleys, and vents, and repair as needed.

Application:

Application Rate:

Application rate is between 1.5 – 2 gal. (5.7 – 7.6 L) per 100 sq. ft. (0.6 – 0.8 L/m²) when applied to base sheet. Application rate may vary based on porosity of substrate.

Application:

Apply adhesive by sprayer or notched squeegee at a rate of 1.5 – 2 gal. (5.7 – 7.6 L) per 100 sq. ft. (0.6 – 0.8 L/m²) to primed structural concrete deck, polyisocyan-urate insulation, Type G2 base sheet, or SBS-modified asphalt membrane.

Application Method:

- **Spray:** A Graco 45.1 pump or equivalent is recommended. Consult equipment manufacturer for optimum psi, spray tip size, length of hose, and number of guns to achieve uniform application.

- **Squeegee:** When using a squeegee, it should have ¼" (6 mm) serrations to apply a uniform, smooth, even coat without gaps, dry areas, or bubbles.
- **Brush:** Apply in a uniform, smooth, even coat without gaps, dry areas, or bubbles.

Attachment:

The adhesive sets by evaporation of the solvent. After adhesive application, allow 5 – 15 minutes cure time before applying membrane. Unroll modified and base sheet rolls and allow them to relax prior to installation. Broom-in membrane, making sure that it is lying flat and making full contact with the adhesive. Roll all side and end laps, making sure a sufficient amount of adhesive is applied to the laps so that a bead of adhesive is visible at all lap edges.

Clean Up:

Keep containers covered when not in use. Clean equipment and overspray with kerosene, mineral spirits, or petroleum naphtha. Clean hands with waterless hand cleaner.

Caution:

MATRIX™ 102 SBS Membrane Adhesive contains petroleum distillate.

Ventilation — Use with adequate ventilation and close containers when not in use.

If TLV (Threshold Limit Value) is exceeded, respirators are required (NIOSH/OSHA).

Inhalation of high vapor concentration may result in headaches and/or dizziness. Remove individual to fresh air and administer oxygen if breathing is difficult. If breathing has stopped, administer artificial respiration, keep victim warm, and order emergency medical attention immediately.

Eye Contact — Rinse immediately with water for 15 minutes and seek medical advice.

Personal Protection — Irritation may result from prolonged or repeated contact with skin. Wear chemical-resistant gloves, protective goggles, and protective clothing, if needed.

Fire Protection — MATRIX™ 102 SBS Membrane Adhesive is **COMBUSTIBLE** and should always be kept away from heat, open flame, and any source of ignition.

Waste Disposal — Empty containers must be disposed of in an approved landfill in accordance with local, state, and federal regulations.

For Application Questions:

Contact GAF Design Services at designservices@gaf.com, call (877)-423-7663, option 4 then option 3, or visit gaf.com.



Visit gaf.com

For additional information, contact GAF Design Services at 1-877-423-7663 or designservices@gaf.com

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