

GAF MATRIX™ 307

Premium Asphalt Primer



Description:

MATRIX™ 307 Premium Asphalt Primer is a general purpose, asbestos-free foundation coating for all types of asphalt-based roofing materials, e.g., hot-mopped or cold-applied asphalt coatings, roof cements, and asphalt-based roof and flooring adhesives.

- Excellent penetration rate — promotes a tough, weather-resistant bond for coating and adhesives
- Strength and flexibility — accommodates temperature-related expansion and contraction of the roof system
- Easy application — sprayer, brush, or roller; maintains excellent low-temperature flexibility

Uses:

- Concrete and masonry roofs, walls, or floors prior to the use of asphalt cutback adhesives
- Metal edging and flashing, asphalt, or weathered composition roofing prior to the application of hot-mopped or cold-applied built-up roofing materials
- Undercoating for LeakBuster™ aluminum roof coatings or asphalt roof coatings and emulsions
- Gypsum surfaces

Physical Properties

Weight	9.1 lb. (4.1 kg) per gallon
VOC (max)	300 grams/liter
Non-volatile content	50% minimum
SETA Flash Point	110°F (43.3°C)

Code Approvals:

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



- Miami-Dade County Product Control Approved (Hallandale, FL Only)



- State of Florida Approved

- UL ER1306-02

- Meets ASTM D41

Packaging:

MATRIX™ 307 Premium Asphalt Primer is available in

- 5 gal. (18.9 L)

Precautions:

Compatibility & Limitations:

Do not use on wet or damp surfaces or on surfaces previously covered with coal tar products. On concrete decks, previous use of wax/resin curing compound may inhibit bonding.

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. Not recommended for application on substrates that exceed 140°F (60°C).

Storage/Handling & FIRE WARNING:

MATRIX™ 307 Premium Asphalt Primer 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 primer to freeze.

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



Surface Preparation:

All surfaces to be primed 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 primer. Sweep (or wire-brush metal surfaces) and remove oil, grease, dirt, or other foreign material that could inhibit bonding. On existing roofs, inspect roof deck condition; moisture in old roof may indicate need for roof repair. 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:

Typical application rate is 1/2 gal. per square (0.2 L/m²); varies with texture of surface to be primed. Drying time is 4 – 8 hours between coats.

Material Preparation:

Stir well before application.

Application Method:

Apply primer with a roller, brush, or sprayer, covering the surface at an even 1 gal. per 500 square feet (0.08 L/m²).

Attachment:

- **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 spray guns to achieve uniform coat.

- **Brush:** Apply smooth, even coat, using parallel strokes for a uniform coat. If first coat is completely absorbed, apply a second coat.
- **Roller:** Apply smooth, heavy coat, using parallel strokes for a uniform coat.

Cleaning:

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™ 307 Premium Asphalt Primer contains petroleum distillate. Do not thin.

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™ 307 Premium Asphalt Primer 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 1-877-423-7663 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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