

GAF MATRIX™ 203

Plastic Roof Cement



Description:

MATRIX™ 203 Plastic Roof Cement is a general-purpose, reinforced, fibrated adhesive used to adhere fiberglass and organic conventional built-up base, ply, and cap sheets. This product is compounded with premium materials to enhance resistance to flow and increase durability. Heavy, trowel-grade consistency makes this product ideal for flashing details and a variety of roofing and waterproofing repairs, such as moving joints and roof penetrations.

- Superior bonding strength and high flexibility to accommodate temperature-related expansion and contraction of the roof system
- Easy application — smooth, trowel-grade cement maintains excellent low-temperature flexibility

Uses:

MATRIX™ 203 Plastic Roof Cement's heavy, trowel-grade consistency is ideal for:

- Sealing leaks and openings around flashings, chimneys, vents, skylights, joints in metal edging, gutters, and similar objects
- Sealing shingles and repairing asphalt built-up, metal, and masonry roofs
- Constructing built-up flashings

- Filling flashing pans around roof penetrations
- Damp-proofing the exterior side of concrete and masonry walls and asphalt roof cement

Approvals & Certification:

MATRIX™ 203 Plastic Roof Cement is listed and approved by the following agencies or code bodies: Underwriters Laboratories (UL). Meets or exceeds the requirements of ASTM D4586 Asphalt Roof Cement Asbestos-free, Type I. Approvals may vary by region. Be sure to review pail labels before purchase.

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



- Miami-Dade County Product Control Approved*



Cements and coatings for roofing systems as to external fire exposure.

Packaging:

MATRIX™ 203 Plastic Roof Cement is available in:

- 5-gallon (18.9 L) pails
- 3-gallon (11.36 L) pails

Precautions:

Compatibility & Limitations:

Do not use with any APP-modified products. Do not use on wet or damp surfaces, directly over wood, or on surfaces previously covered with coal tar products. Do not use with SBS-modified bitumen 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 for 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™ 203 Plastic Roof Cement 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 the roof cement to freeze.

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

Physical Properties

Weight	9.1 lb. (4.1 kg) per gallon
VOC (max)	<250 grams/liter
Non-volatile content	70% minimum
SETA Flash Point	110°F (43.3°C)

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 cement. 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 Field 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 8 gallons per square (3.26 L/m²) for a 1/8" (3 mm) coat.

Application Method:

Use notched trowel or wide-edged putty knife to apply cement evenly and in equal amounts to substrate and membrane flashing. Coat should be 1/8" (3 mm) thick on each surface, without gaps, dry areas, or bubbles.

Attachment:

- **Membrane Flashing:** No cure time before attaching flashing; simply press into place with even pressure, smoothing out wrinkles and bubbles. Adhere membrane to cemented substrate and press into place, working out any wrinkles or non-adhered areas and making sure a sufficient amount of cement is applied to the laps so that a bead of cement is visible at all lap edges. Mechanically fasten membrane flashing on parapet walls to avoid membrane slippage.

- **Coursing:** Apply cement to surface and install glass or polyester fabric into cement; repeat method for desired courses. When finished, coat with another layer of cement.
- **Metal:** All metal should be primed. Set metal flanges in full bead of 1/8"- (3 mm) thick cement. Apply cement between joints and apply pressure so that a bead of cement is visible at joint edge.
- **Sealing/Repairs:** Apply cement at a 1/8" to 1/4" (3 – 6 mm) thickness, working the cement into the opening or crack and spreading beyond repair area approximately 2" – 4" (51 – 102 mm). If repair area is over 1/4" (6 mm) wide or more than 2" (51 mm) long, embed glass or polyester fabric into the cement for added reinforcement, then cover with additional cement extended 2" – 4" (51 – 102 mm) beyond the fabric repair. If desired, repeat procedure for coursing application and feather each layer of fabric beyond underlying layer.

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™ 203 Plastic Roof Cement 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™ 203 Plastic Roof Cement 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.



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

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