



Enduris* Asphalt Bleed Blocker

bleed resistant basecoat for Enduris* 3500 silicone topcoat

Product Description

GE Enduris Asphalt Bleed Blocker provides a long lasting, breathable and flexible membrane to help block the asphaltic components that can discolor topcoats.

Basic Uses

Asphalt Bleed Blocker is a barrier coating for prevention of bleed from asphaltic materials and asphalt based surfaces such BUR, modified bitumen and asphalt cap sheet. For other substrates, check with your MPM/GE Silicones representative for additional recommendations.

Key Features and Typical Benefits

- **Versatile** - Single component water-based acrylic elastomer basecoat for spray, brush or roller application
- **Bleed Resistant** - Formulated with special materials to block the bleed-through of asphaltic components that can discolor topcoats
- **Excellent Adhesion** - Offers superior adhesion to asphaltic and other surfaces including metal, most single-ply roofs, wood and concrete
- **Breathable** - Asphalt Bleed Blocker is part of a breathable coating system that allows trapped moisture to escape

Typical Application Properties

Application

This product may be brushed rolled or sprayed on a clean, dry surface. For details, see the Application Equipment section at the end of this sheet.

- If sprayed, coating substrate should be 45-167°F (7-75°C). Before applying additional coat, the previous coat must be completely dry and cured.
- If any contamination is present on the cured surface, it must be washed and completely dry before application of subsequent coats.

Coverage Rate

Apply Asphalt Bleed Blocker at the rate of 1.0 gallon per 100 sq ft (9.3 sq m) (16 wet mils). Surface texture and wind will affect applied mil thickness. Once completely dry, Asphalt Bleed Blocker can be topcoated with Enduris 3500 Silicone Coating.

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Products

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Application Equipment

Minimum requirements:

Brush

- Synthetic filament

Roller

- 1¹/₄" nap roller

Spray

- 30:1 fluid-to-air ratio capable pump
- 2¹/₂ gallons or more per minute (continuous)
- Filter screen 30 mesh or larger
- Hose rated to 2x maximum pump pressure
- Hose lining should be compatible with coating and required cleanout materials
- Hose lengths: (Largest diameter at pump)
 - ³/₈ minimum 6 ft wip
 - ³/₈ minimum I.D. up to 75 feet (22.9 m)
 - ¹/₂ minimum I.D. up to 200 feet (61 m)
 - ³/₄ minimum I.D. over 200 feet (61 m)
- Spray gun: Graco Hydra Mastic or equivalent
- Spray Tip:
 - Reversible self-cleaning type
 - Orifice size of .027 to .039
 - Fan angle of 40° to 50°
- Always use components rated for pump pressures.

Packaging and Colors

Asphalt Bleed Blocker is currently available in the following configurations:

55 gallon drum (208.2 liters)

5 gallon pail (18.9 liters)

Colors

Asphalt Bleed Blocker is currently available as a stock color in ivory.

Typical Physical Properties

Typical physical property values of Enduris Asphalt Bleed Blocker as supplied and cured are set forth in the tables below.

Typical Properties

| Property ⁽¹⁾ | Test Method | Result |
|-------------------------|---------------|------------------------------|
| Volume solids | ASTM D-1653 | 55.0 ±3% |
| Weight Solids | ASTM D-1644 | 68.4 ±3% |
| Tensile Strength | ASTM D-2370 | 310 ±20 psi |
| Elongation | ASTM D-2370 | 315 ±20% |
| Permeability | ASTM D-1653 | 9 ±1 |
| VOC | EPA Method 24 | < 50 g Liter |
| Hardness (Shore A) | ASTM D-2240 | 55 - 60 |
| Viscosity | | 85 ±10 KU |
| Density | | 11.9 lbs (5.4 kg) per gallon |
| Flashpoint | | None |
| Shelf Life | | 12 months |
| Clean Up | | Water |

Typical Dry / Cure Times

| | |
|--|------------------------|
| Yield 1 gal to 100 sq ft (1 gal to 9.29 sq m) | 8.8 dry mils |
| Dry Time 75°F (24°C) | 90 mins @ 50% humidity |
| Recoat Window | >6 hrs |
| Complete Cure | 30 days |

(1) Typical properties are average data and are not to be used as or to develop specifications.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

This product is intended for professional installation. Before working with this product, you must read and become familiar with the available information on its risks, proper use and handling. Information sources include but are not limited to SDS and product labels.

Customers considering the use of this product should review the latest Safety Data Sheet (SDS) and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. SDSs are available at www.ge.com/silicones or, upon request, from any MPM representative. Use of other materials in conjunction with MPM sealants products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

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Limitations

Surface must be clean and dry. Do not apply over wet substrates or when inclement weather is imminent.

Complete cure of Asphalt Bleed Blocker requires complete evaporation of water. Cool temperatures and high humidity retard cure. In addition, this product is not recommended for use without a vapor barrier in cryogenic tank or cold storage roofing applications. It is not intended as a thermal barrier.

Environmental Conditions

This product cures by water evaporation only. Product must not be applied when the ambient temperature is below 45°F (7°C) or if there is any possibility it could fall below 32°F (0°C) within 24 hours of application. Application is not recommended if rain or dew is likely to occur before product dries. In high humidity conditions, late afternoon applications should be avoided as overnight dew formation on uncured surface can cause coating wash-off. On marginal days, multiple applications of thin coats can help ensure proper drying before rain or overnight freezes.

Surface Preparation

General: Surfaces to be coated should be dry, free of dust, dirt, oil, loose granules, gravel, peeling coating and other foreign matter.

All wet insulation should be removed and replaced with like materials.

For optimal results, power wash all surfaces with a minimum of 2000 psi using a wide fan tip. All necessary precautions should be taken to avoid damage to the roof system.

Mildew should be treated with a bleach solution (1 part Bleach, 2 parts water) and rinsed thoroughly. Patch and repair cracks or holes with appropriate sealants or caulking materials.

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Emergency Service

Momentive Performance Materials maintains an around-the-clock emergency service for its products. The American Chemistry Council (CHEMTREC) and ChemCare24 International also maintain an around-the-clock emergency service for all chemical products.

| Location | Momentive Performance Materials Products | All Chemical Products |
|---------------|---|------------------------------------|
| North America | 1.518.233.2500 | CHEMTREC: 1.703.527.3887 (collect) |
| At sea | Radio U.S. Coast Guard, which can directly contact Momentive Performance Materials at 1.518.233.2500 or CHEMTREC at 1.800.424.9300. | |

DO NOT WAIT. Phone if in doubt. You will be referred to a specialist for advice.

CUSTOMER SERVICE CENTERS

| | | | |
|---------------|------------------------------------|------------------|------------------|
| North America | E siliconeorders@momentive.com | | |
| | Specialty Coatings, UA and Silanes | T 1.866.275.4372 | F 1.614.986.2489 |

Visit us at www.ge.com/silicones

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