



Enduris™ Asphalt Bleed Blocker

Bleed Resistant Basecoat for Enduris 3500 Silicone Topcoat

Product Description

GE Enduris Asphalt Bleed Blocker basecoat is a long lasting, breathable, and flexible barrier coating used for prevention of bleed from asphaltic materials and asphalt-based surfaces.

Key Features and Typical Benefits

- **Versatility**—Single component acrylic polymer resin basecoat for spray, brush or roller application
- **Bleed Resistance**—Formulated with special materials to block the bleed-through of asphaltic components that can discolor topcoats
- **Excellent Adhesion**—Offers exceptional adhesion to asphaltic surfaces
- **Breathability**—Enduris Asphalt Bleed Blocker basecoat is part of a breathable coating system that allows trapped moisture to escape.
- **Color Contrast**—Color is light yellow as installed and darkens as it cures, allowing enhanced visual confirmation for application of the basecoat and also a white topcoat.

Packaging

Enduris Asphalt Bleed Blocker basecoat is currently available in the following configurations:

5 gallon pail (18.9 liters), 55 pounds (24.9 kg)

55 gallon drum (208.2 liters), 611 pounds (276.9 kg)

Colors

Enduris Asphalt Bleed Blocker basecoat is available as a stock color in light yellow.

Potential Applications

- A barrier coating for use on surfaces such as BUR, modified bitumen and asphalt cap sheet. (Check with your MPM/GE Silicones representative for compatibility with other substrates.)

Note: GE Enduris Asphalt Bleed Blocker basecoat should not be considered for:

- Unprepared surfaces including but not limited to those that are wet, dusty, oily, mildewed, heavily chalked, blistered, or structurally unsound.
- Cold storage roofing application without vapor barrier or cryogenic tank applications.
- Use on areas that are exposed to water for extended periods of time.
- Surfaces where adhesion has not been verified by testing.



Typical Physical Properties

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

Typical Properties⁽¹⁾

Property	Test Method	Result
Volume Solids	ASTM D 2697	46.0
Tensile Strength	ASTM D 2370	250 psi
Elongation	ASTM D 2370	250%
VOC	Based on EPA Method 24	< 50 g Liter
Viscosity		30,000 cps
Weight per gallon		11.1 lbs (5.1 kg) per gallon
Flashpoint		Non Flammable
Shelf Life		12 months
Clean Up		Soap and water

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

Typical Dry / Cure Times⁽¹⁾

Yield 1 gal to 100 square feet (1 gal to 9.29 square meter)	7.4 dry mils
Dry Time 75°F (24°C)	2-4 hours

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

General Considerations for Use

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 compatible 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.

Application

Mix well before using.

This product can be brushed rolled or sprayed onto a clean, dry surface.

- Ambient temperatures should be above 40°F (5°C) and rising, with relative humidity below 90% and no threat of rain for 48 hours. Coating substrate should be above 40°F (5°C) and below 100°F (38°C). Before applying additional coat, the previous coat must be completely cured and dry.
- If any contamination is present on the cured surface, it must be washed and completely dry before application of subsequent coats.

Coverage Rate

Apply Enduris Asphalt Bleed Blocker basecoat at the minimum rate of 1.0 gallon per 100 square feet (9.3 square meters) (16 wet mils). Surface texture and wind will affect applied mil thickness. For areas where asphaltic materials are less than 30 days old, such as repairs and patches, allow the Asphalt Bleed Blocker to cure for 2 to 24 hours depending on temperature and wind, then install a second application at a rate of 1.0 gallon per 100 square feet (9.3 square meters) (16 wet mils). Once completely dry, Asphalt Bleed Blocker can be top-coated with Enduris 3500 Series Silicone coating.

Uncured Product Storage

Enduris Asphalt Bleed Blocker basecoat containers should be tightly sealed when not in use, and stored in a cool, dry area. Keep from freezing.



Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a 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

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, and any special storage conditions required for safety. Safety Data Sheets are available at www.siliconeforbuilding.com/ or, upon request, from any MPM representative. Use of other materials in conjunction with MPM 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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