



GE Enduris™ Bitumen Bleed Blocker White Bleed Resistant Basecoat for Enduris 3500 Silicone Topcoat

Product Description

GE Enduris Bitumen Bleed Blocker basecoat is a long lasting, and flexible barrier coating used for prevention of bleed from asphaltic and bituminous materials and 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 and bituminous components that can discolor topcoats.
- **Excellent Adhesion**—Offers exceptional adhesion to asphaltic and bituminous surfaces.
- **Color Contrast**—Color is white as installed, allowing enhanced visual confirmation for application of the basecoat against a dark bituminous or asphaltic surface.

Potential Applications

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

Note: GE Enduris Bitumen 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.

Packaging

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

17 liter metal pail

Colors

GE Enduris Bitumen Bleed Blocker basecoat is available as a stock color in white.



Typical Physical Properties

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

Typical Properties⁽¹⁾

| Property | Result |
|-------------|--|
| Dry Solids | ± 64% |
| VOC | < 50 g Liter |
| Viscosity | ± 4000 mPa·s (25 °C, Spindle 3, 10 RPM) |
| Density | ± 1.34 g/cm ³ |
| Flashpoint | Non Flammable |
| Shelf Life | 24 months in the hermetically sealed packaging, when stored in a dry, cool and frost-free place. |
| Clean Up | Water |
| Fully cured | ± 30min |

(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 5 °C or above 35 °C and if there is any possibility it could fall below 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 135 bar 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 5 °C and rising, with relative humidity below 90% and no threat of rain for 48 hours. Coating substrate should be above 5 °C and below 35 °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 GE Enduris Bitumen Bleed Blocker basecoat at the minimum rate of 0.3 liter per square meter. Surface texture and wind will affect applied mm thickness. For areas where asphaltic or bituminous materials are less than 30 days old, such as repairs and patches, allow the Bleed Blocker to cure for 2 to 24 hours depending on temperature and wind, then install a second application at a rate of minimum 0.3 liter per square meters. Once completely dry, Bleed Blocker can be top-coated with Enduris 3500 Series Silicone coating.

Uncured Product Storage

GE Enduris Bitumen Bleed Blocker basecoat containers should be tightly sealed when not in use, and stored in a cool, dry area. Keep from freezing. Keep the edges of the tin clean.

When closing the tin, place the lid in the correct way and remove any product that might remain on the tin.



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.gesilicones.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.



Customer Service Centers

For additional information, please contact our [Customer Service Team](#)

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