

BAYBLOCK™ PRIME NS

Characterization

Bayblock Prime NS is a single-component, water-based, general purpose primer.

Properties / Applications

Bayblock Prime NS is designed for the preparation of surfaces for the application of elastomeric coatings and spray polyurethane foam. This material can be easily sprayed, rolled, or brushed on and provides excellent adhesion to most surfaces. Bayblock Prime NS primer requires minimal set time before foam application. This product is water reducible. As with any product, use of Bayblock Prime NS primer in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

Application and Handling

Prior to application of Bayblock Prime NS primer, completely water blast substrate at a minimum pressure of 3,000 psi.

Bayblock Prime NS primer may be applied by medium nap rollers, brushes or by conventional airless spray equipment. Airless spray application is most efficient whereas rolling or brushing may be used for touchup, flashing, and edge terminations or to fill voids, pinholes, holidays or cracks. Contact Bayseal technical service personnel for specific recommendations. The recommended application rate is 150 s.f. per gallon. If necessary, water can be used for reducing, but thinning should not exceed 10%.

Apply Bayblock Prime NS primer only to clean, dry, sound surfaces that are free of loose particles or other foreign matter. It is recommended that Bayblock Prime NS primer be sprayed in multi-directional (north-south-east-west) passes to ensure uniform film build and to avoid pinholing. Final cured dry film thickness must be free of holidays, cracks or blisters. Application should be suspended immediately and Bayseal technical service personnel contacted if the results obtained are less than desirable.

This material 's application is typically 1/3 gallon per square, but will vary depending on a variety of factors, such as temperature, humidity, and primer thickness. Before foam application can begin, the primer must be completely dry, generally two to three hours on a hot, sunny day is adequate drying time. Clean up is easily accomplished with water.

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Typical Physical Properties*

Properties	Value at 75°F
Solids by Weight	54 ± 2%
Solids by Volume	41 ± 2%
Theoretical Coverage	150 s.f./gal
Weight per gallon	10.6 lbs/gal
Recommended service temperature	≥ 50°F
Number of components	One
Color	Black
Theoretical yield	7.8 mils/gal - 100 sq. ft.
Temperature limits	-20°F to 200°F
Application rate	0.3 to 1.0 gal/ square

* These items are provided as general information only. They are approximate values and are not part of the product specifications.

Wet Physical Characteristics

Property	Value
Shelf Life	12 months when properly stored
Thinner	Not Recommended

Product Reactivity

Property	Value
Dry to Touch	60 minutes
Recoat	Two to three hours dependent on environmental and substrate conditions

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Limitations and Precautions

Do not apply Bayblock Prime NS primer when temperatures fall below 50°F, or when there is a possibility of temperatures dropping below 40°F within a 24-hour period after application. Cold temperatures and high humidity will retard drying. Do not apply over wet substrates or when inclement weather is imminent.

Bayblock Prime NS is not recommended for application on new galvanized steel, hot concrete, or fresh asphalt. Additionally, this material is not intended for use as a metal primer, bleed blocker, or vapor and/or fire barrier. Store Bayblock Prime NS primer in tightly closed containers and protect from freezing.

NOTE: Application and drying of any product can reduce the temperature by as much as 20°F due to evaporation cooling (i.e., applying water based material at 50°F can result in a 30°F temperature). It is extremely important that Bayblock Prime NS primer is totally cured (dries clear) before proceeding. Total cure may be prolonged drastically by high humidity and cool ambient temperatures.

Health and Safety Information

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling this product. Before working with this product, you must read and become familiar with the available information on its risks, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., safety data sheets and product labels. For further information contact your Bayseal representative.

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Accella Polyurethane Systems
2400 Spring Stuebner Rd
Spring, TX 77389
United States
1-800-221-3626