

BAYBLOCK™ PRIME EW

Characterization

Bayblock Prime EW is a two-component, water-based epoxy primer.

Properties / Applications

Bayblock Prime EW is a multi-purpose, thixotropic, easy spreading primer. Bayblock Prime EW adheres well to most metals, organic polymers, wood, masonry and vitreous surfaces. It may also be used as masonry block filler. It should not be used on copper or silver. Bayblock Prime EW cures to form a solvent and vapor resistance film.

Bayblock Prime EW has excellent alkali resistance, good solvent resistance, fair acid resistance and poor chalk resistance. It is not intended for continuous exterior use. Bayblock Prime EW cures to form a hard, lusterless coating. As with any product, use of Bayblock Prime EW in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

General Application Procedures

Before application, all surfaces must be clean, smooth, dry and paintable. Any debris, gravel, dust and silt must be removed. The two components are packaged in the correct proportions (1 part by volume of Part A to 1 part by volume of Part B). Mix each A and B component individually, then combine both parts and mix thoroughly. Power mixing is recommended. Part A is a slurry liquid with settling properties. Part B is a viscous liquid. When combined the resulting product becomes a thixotropic easy spreading suspension.

The coverage rate is approximately 200 to 400 square feet per gallon when applied to a smooth surface. Porous surfaces will require additional primer. Too much primer will reduce adhesion strength.

Bayblock Prime EW may be sprayed, brushed or rolled. Use long nap (3/4 " to 1 ") rollers when Bayblock Prime EW is used as a block filler for porous concrete. If blowholes form as the primer dries, make second pass with a relatively dry roller. Allow 8 to 10 minutes between passes. For application to smooth surfaces, add up to one pint of water per gallon of Bayblock Prime EW. Use a 1/4 " or 3/8 " nap roller or nylon brush. It should be dry to touch in one hour or less, depending upon temperature and humidity. Full cure in 24 hours.

Most coatings can be applied over Bayblock Prime EW as soon as it is thoroughly set. This degree of dryness is normally achieved in two to three hours (dependent upon temperature and humidity) and can be recoated for up to 7 days. Best adhesion is achieved in 1 to 3 days. After 7 days, surface must be cleaned and re-primed prior to coating application. Where maximum solvent resistance is needed, apply two coats, a minimum of two hours apart. Let cure for five days with a daily maximum temperature of 70°F. For 60°F days, allow 10 days.

Clean up with water supplemented with soap or a small quantity of vinegar. Refer to manufacturer's recommendations for cleaning and drying equipment.

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Typical Physical Properties*

Properties	Test Method	Value
Solids Content by Weight	ASTM D 1644	60 ± 2%
Solids Content by Volume	ASTM D 2697	42.5 ± 2%
Flash Point	As mixed A and B	> 212°F (> 100°C)
VOC	As mixed A and B (EPA Method 24)	<55 grams/liter
Temperature limit for normal service		-40°F to 180°F (-40°C to 82°C)
Maximum continuous service temperature		180°F (82°C)

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

Limitations and Precautions

It is very important that Bayblock Prime EW is not used when weather conditions are below 50°F, or when there is a chance that temperatures could fall below 32°F within a 24 hour period after application. Do not apply to surfaces that are above 130°F unless special instructions are secured. Do not apply when it is raining, or if the threat of rain exists. Do not apply when the dew point is less than 5°F above ambient temperature.

The pot life of Bayblock Prime EW is two hours at 75°F. This can be extended to three hours by thinning with water to achieve the original consistency. Pot life at 55°F is doubled, however, at 100°F it is reduced to 45 minutes or less.

Do not use material that has been mixed for four hours or more.

Storage time

The shelf life of Bayblock Prime EW is one year if stored in original, unopened containers at temperatures between 45°F and 75°F. It should be protected from freezing in shipment and storage.

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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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