



# BAYSEAL

## BAYBLOCK

### All-Purpose Black Primer

BayBlock Primer Black is a water-based, single-component elastomeric coating made from 100% acrylic and completely free of plasticizers. Designed for spray, brush, or roller application, it offers exceptional performance thanks to advanced polymers and wetting agents that enhance adhesion. The jet-black finish promotes rapid solar heat absorption, while a high-build light gray option is available for wall applications. This versatile coating bonds strongly to a variety of surfaces, including aged asphalt, SPF, primed metal, wood, and concrete. Its unique breathable design creates a fully watertight membrane while allowing trapped moisture to escape, ensuring durability and long-term protection.

### Physical Properties

| Property           | Test Method   | Result               |
|--------------------|---------------|----------------------|
| Solids (by volume) | ASTM D-2697   | 38% $\pm$ 2          |
| Solids (by weight) | ASTM D-1644   | 45% $\pm$ 2          |
| Density            | ASTM D-1475   | 9.7 lbs. gal         |
| VOC                | EPA Method 24 | <50 g/L              |
| Temperature Limit  |               | 0°F to 185°F         |
| Clean Up           |               | Water                |
| Shelf Life         |               | 12 Months (unopened) |

### Preparing Surfaces

All surfaces to be coated should be dry, free of dust, dirt, oil, loose granules, gravel, peeling coating, and other foreign matter. All wet insulation or foam should be removed and replaced. For optimal results, power wash all surfaces prior to application with a minimum of 2,000 psi. Take all necessary precautions to avoid damaging 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. Masonry: Allow fresh masonry to cure for a minimum of 30 days, then prime.

### Application

This product may be brushed, rolled, or sprayed on a clean, dry surface. For details, see Equipment Recommendations at the end of this sheet. For the best results, blend the contents of all containers using a power mixer at least ten minutes before application. Do not thin this product. Substrates should be coated until they appear wet. Do not apply a subsequent coat until the previous coat is completely dry and cured.

Any contamination of a thoroughly cured surface must be washed with a chemical cleaner before applying an additional coat. The coating must be extended beyond the substrate to create a self-terminating flashing. Consult Everest Systems for recommended dry film thickness.

### Application Properties

|                            |                         |
|----------------------------|-------------------------|
| Yield (1 gal to 100 sq ft) | 10.0 dry mils           |
| Dry Time (75°F)            | 4 hours at 50% Humidity |
| Recoat Window              | > 6 hours               |
| Complete Cure              | 24 hours                |

**Coverage Rate:** Apply at a rate of 0.5 gallons per 100 sq. ft. (8 wet mils). Surface texture, porosity, and wind will affect applied mil thickness.

| Equipment |                                                                                                                                      |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------|
| Brush     | Synthetic filament                                                                                                                   |
| Roller    | 1¼" nap roller                                                                                                                       |
| Spray     | 30:1 fluid to air ratio capable pump                                                                                                 |
|           | 2½+ gal/min (continuous)                                                                                                             |
| Gun       | Graco Hydra Mastic or equivalent                                                                                                     |
| Tip       | Reversible self-cleaning type                                                                                                        |
|           | Orifice size .027 to .039                                                                                                            |
|           | Fan angle of 40° to 50°                                                                                                              |
| Hose      | Rated to 2X max pump pressure                                                                                                        |
|           | Lengths: Largest Diameter at pump<br>3/8" minimum 6ft. wip,<br>3/8" min I.D. <75 ft.<br>½" min I.D. <200 ft.<br>¾" min I.D. >200 ft. |

## Limitations

Surface must be clean and dry. Application is not recommended on roofs with slopes less than 1/8 in 12, or where ponded water is present. The National Roofing Contractors Association considers ponding water on any roof unacceptable (per the NRCA Roofing and Waterproofing Manual). Do not apply over wet substrates or when inclement weather is imminent. Complete cure of BayBlock requires the complete evaporation of water, cool temperatures and high humidity retard cure. This product is not recommended for use without a vapor barrier in cryogenic tank or cold storage roofing applications.

## Environmental & Substrate Conditions

This product cures by water evaporation only. Do not apply when the ambient temperature is below 50°F or if there is any possibility it could fall below 32°F within 24 hours of application. Application is not recommended if rain or dew is likely to occur before product dries. Late afternoon applications should be avoided in high humidity conditions as overnight dew formation on uncured surface can cause coating wash-off. On marginal days, multiple applications of thin coats can ensure proper drying before rain or overnight freezes.

## Health and Safety

This product is for professional use only. Before working with BayBlock Coating you should read and become familiar with all the information on its risks, proper use, and handling, including the SDS and product labels. More resources are available at [polyurethane.org](http://polyurethane.org) and [sprayfoam.org](http://sprayfoam.org).

**Technical Assistance:** For additional assistance please contact the Technical Services Department of BaySeal Roofing Products at 972-542-0072.

**Disclaimer:** Technical information as shown in this document is intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product.

LIMITED WARRANTY INFORMATION: The information herein is to assist customers in determining whether our products are suitable for their applications. Our products are only intended for sale to commercial customers. Customer assumes full responsibility for quality control, testing, and determination of suitability of products for its intended application or use. We warrant that our products will meet our specifications contained herein. We make no other warranty of any kind, either express or implied, by fact or law, including any warranty of merchantability or fitness for a particular purpose. Our total liability and customers' exclusive remedy for all proven claims is replacement of nonconforming product and in no event shall we be liable for any other damages.

BaySil products are available exclusively from Quadrant Performance Materials

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