



## Product Description

Bayblock Prime SG is a resin and pigment rich, low solids, water based, acrylic primer formulated to achieve superior adhesion and penetration. Bayblock Prime SG was specifically developed as a quick drying primer to give superior adhesion to foam, substrates to be foamed, metal, concrete, wood, and most clean dry surfaces. Bayblock Prime SG will bond to most surfaces and will remain slightly tacky. Bayblock Prime SG may also be used over foam to attract heat and to provide an ultraviolet barrier between reflective coatings and foam in order to minimize ultra-violet degradation.

## Application and Handling

Bayblock Prime SG may be applied by conventional airless spray equipment, medium nap rollers or brushes. Airless spray application is most efficient whereas rolling or brushing may be used for touch up, flashing and edge terminations or to fill voids, pinholes, holidays or cracks. CONTACT BAYSYSTEMS TECHNICAL PERSONNEL FOR SPECIFIC RECOMMENDATIONS, PRICING AND AVAILABILITY OF SPRAY AND AUXILIARY EQUIPMENT.

Apply Bayblock Prime SG only to clean, dry, sound surfaces free of loose particles or other foreign matter. Apply only to roofs that have adequate positive drainage (i.e., a minimum slope of 1/4 inch per foot). A test patch is always recommended.

It is recommended that Bayblock Prime SG be spray applied 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. COATING APPLICATION MUST BE SUSPENDED IMMEDIATELY AND BAYSYSTEMS TECHNICAL SERVICE PERSONNEL CONTACTED IF THE RESULTS OBTAINED ARE LESS THAN DESIRABLE.

When used as a primer, generally one application of approximately 1/2 to 3/5 of a gallon per 100 square feet is sufficient. When used as an ultra-violet barrier, 1 to 1-1/2 gallons per 100 square feet is recommended.

Mixing- Bayblock Prime SG is resin rich and does not contain any fillers, it is subject to settling and requires thorough mixing when allowed to stand over 48 hours.

## Typical Physical Properties

Property	Value
Solids by Weight:	34.2%
Solids by Volume	32.0%
Theoretical Coverage :	As a primer: 200 s.f. per gallon As an ultraviolet barrier: 300 s.f. per gallon
Weight per gallon:	8.61 lbs
Viscosity (cps):	90-100 KU (Krebs Units)
Recommended Service Temperature:	50-120°F

## Wet Physical Characteristics

Flash Point:	>250°
Shelf Life:	12 month if properly stored
Clean Up:	Water
Thinner:	Not Recommended

Note: Adhesion should not be tested within one hour of application

## Product Reactivity

Dry to Touch:	90 minutes @ 8mils
Tack Free Time:	remains tack normal
Recoat:	24 hours

Atlas Carbon Arc – ASTM 822 G 23  
In excess of 1,000 hrs. with no threatening signs of deterioration.  
Low temperature flexibility after accelerated weathering – Pass

# Bayblock™ Prime SG

## Limitations and Precautions

Bayblock Prime SG is a water based acrylic, which will freeze and become unusable at freezing temperatures. Protect from freezing during shipment and storage.

Do not apply Bayblock Prime SG 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. Do not apply over wet substrates or when inclement weather is imminent.

NOTE: Application and drying of any product can reduce the temperature by as much as 20°F due to evaporative cooling (i.e., applying water based material at 50°F can result in a 30°F temperature).

It is extremely important that Bayblock Prime SG is totally cured before proceeding. Total cure may be prolonged drastically by high humidity and cool ambient temperatures. It is also critical to give special attention in bird bath areas as any acrylic will soften and sacrifice physicals when not totally dry.

## General Safety, Toxicity, Health Data

Material Safety Data Sheets are available on this coating material. Any individual who may come in contact with these products should read and understand the M.S.D.S. In case of emergency contact CHEMTREC EMERGENCY NUMBER at 800-424-9300.

WARNING: Contact with skin or inhalation of vapors may cause an allergic reaction. Avoid eye contact with the liquid or spray mist. Hypersensitive persons should wear protective clothes, gloves and use protective cream on face, hands and other exposed areas.

CLEAN UP: Use NMP

CONTAMINATION: Avoid moisture contamination in containers. Containers should not be released if contaminated. Do not attempt to use contaminated materials.

EYE PROTECTION: Safety glasses, goggles, or a face shield are recommended.

SKIN PROTECTION: Chemical resistant gloves are recommended. Cover as much of the exposed skin area as possible with appropriate clothing.

RESPIRATORY PROTECTION is MANDATORY! Respiratory protective equipment, impervious foot wear and protective clothing are required at all times during spray application. Contact BaySystems for a copy of the Model Respiratory Protection Program developed by API.

INGESTION: Do not take internally. It is believed that ingestion of polymeric isocyanates would not be fatal to humans, but may cause inflammation of mouth and stomach tissue.

Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

## Disclaimer

The data presented herein is not intended for non-professional applicators or those persons who do not purchase or utilize this product in the normal course of their business.

The potential user must perform any pertinent tests in order to determine the product's performance and suitability in the intended application, since final determination of fitness of the product for any particular use is the responsibility of the buyer. The aforementioned data on this product is to be used as a guide and is subject to change without notice.

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