

## Product Description



IB Uni-Prime is a high performance, single component, solvent-based, polymer modified primer that is designed as a bond enhancing primer over single-ply membranes, existing non-siliconized coatings, aluminum, steel, galvanized metal, and painted metal surfaces.

## Packaging

5-Gallon Pail

## Features and Benefits

- Specially formulated to block thermoplastic plasticizer migration that causes discoloration and failure of coatings
- Excellent bond enhancing properties
- Unique formulation allows breathable film while providing a watertight membrane and permitting trapped moisture to escape
- Color: Light Red

## Product Use

IB Uni-Prime is used as a bond enhancing primer over various substrates such as:

- Weathered single-ply membranes (EPDM, Hypalon, KEE, PVC, and TPO)
- Metals such as aluminum, galvanized steel, Galvalume
- Existing non-siliconized coatings
- Painted metal
- On rusty surfaces, remove loose rust before applying IB Roof Primer

## Ordering Information

## IB Uni-Prime

Item Code	Description	Size	Class
9-UNIPR5	IB Uni-Prime	5-gal	55

## Coverage Rate (approximate)

Approximate coverage rate is 0.4 to 0.5 gallons (1.51 – 1.89 L) per 100 square feet (6 - 8 wet mils) per pass depending on substrate type and roughness.

Yield (0.5 gal/100 sq. ft.) = 8 wet mils/3.6 dry mils.

See recommendations for specific applications. Yields will vary depending upon system selected and the smoothness and absorbency of substrate.

## Temperature Precautions

Do not apply this product below 40°F (4°C) or in weather conditions where the temperature will drop below freezing 32°F (0°C) during the curing cycle. Upper temperature restriction (both air and substrate) for application of IB Roof Primer is 120°F (49°C). If the substrate temperature exceeds 120°F (49°C), IB Coating products should be applied during cooler periods of the day. No coating should be applied unless surface temperature is 50°F (10°C) minimum and 120°F (49°C) maximum.

## Storage

Always store in cool and dry location. Primer is highly flammable. Keep away from flame and other ignition sources. For best results, keep product stored above 60°F (15.6°C) or below 80°F (27°C). Do not store it in direct sunlight or in temperatures. Shelf life will be shortened if exposed to elevated temperatures. Allow material to set at room temperature for 24 hours prior to use.

## Physical Properties

Property	Test Method	Typical Value
% Solids by Volume	D2697	11% ± 2%
% Solids by Weight	D1644	12% ± 2%
Viscosity	D2196	200 cps
Weight per Gallon	-	8.4 lbs./gal
VOC Content	EPA M24	<250 g/L
Dry Tack Time @ 75°F (24°C)	-	2-3 hours @ 50% humidity
Flash Point	-	-4°F (-20°C)
Base	-	Modified Rubber Polymer
Solvent Type	-	Naphtha, Acetone, PCBTf (Parachlorobenzotrifluoride)
Recoat Window	Not intended for continuous exposure to weather. Must be top coated after drying. Allow two (2) hour minimum for drying depending on ambient conditions.	
Flammability	Highly flammable. Keep away from flame and other ignition sources.	
Shelf Life: (unopened container stored at temperatures between 60°F and 80°F.	-	12 months from date of manufacture.

## Application Guidelines

## Application Equipment

Hand pump, garden sprayer or compression type sprayer.

**Brush:** No reduction necessary. Use synthetic filament brushes

**Spraying:** When spraying material should be at least 50°F (10°C).

## Mixing

No thinning or reduction is necessary. Product may separate after shipping and storage, though it may still appear mixed. When mixing is necessary, use a ¾ horsepower or larger electric or air operated mixer with a blade capable of uniformly mixing container. Use a 3" minimum diameter mixing blade for 5-gal pails and a minimum 6" minimum diameter blade for drums. Product will appear uniform after mixing and free of lumps. **Never mix by hand.**

## Surface Preparation

The substrate must be free of areas of ponding water, ice, snow, rain or dew, dirt, dust, grease, oil, loose granules, gravel, peeling coating and other foreign contaminants, or other debris that would inhibit adhesion of coating. If such conditions exist, the roof surfaces should be properly prepared and cleaned using the specified IB cleaning solution in order to receive the new coating system.

IB Uni-Prime is not intended for use over asphalt, concrete, or other rough or porous substrates.

Mildew must be removed by power washing and scrubbing with a bleach solution of 1 part bleach and 2 parts water. Repeat if necessary. Rinse thoroughly and allow it to dry.

Most substrates require a bond enhancing primer and/or a compatible base coat before applying the Coating. Contact IBRS Technical Department at 800-426-1626 for recommendations regarding specific applications.

**Application**

**Adhesion Test:** Adhesion of the IB Uni-Prime should always be checked. Apply 6" – 12" square of the coating and embed a piece of 1" wide IB Fabric into the coating, covering with the desired base coat or reflective coat and leaving a minimum 2" tail of the fabric exposed. Allow 2-3 days for the coating to cure and perform a 90° pull test of the fabric tail to test adhesion of the coating to the substrate.

To properly prepared substrate: apply a primer coat of IB Uni-Prime at the rate of 0.4 to 0.5 gallons (1.51 – 1.89 L) per 100 square feet (6 - 8 wet mils). Must be top coated after drying. Allow two (2) hour minimum for drying depending on ambient conditions. IB Uni-Prime will dry to a slightly tacky film. Test the primer for dryness by pressing firmly with a finger and removing. A properly dried film will be well-bonded to the substrate. If the film is able to be removed from the substrate, allow additional drying time. Application of IB Uni-Prime must be completed within twenty-four (24) hours from the start of the initial primer application.

**Limitations**

- Refer to Substrate Preparation guidelines for proper preparation, cleaning and primer roof with any applicable bond enhancing primer before commencing with application of IB Coatings.
- This product cures by water evaporation only. Do not attempt to apply product when weather conditions are not conducive to drying. Refer to temperature and relative humidity precautions.
- Application of materials with power spray equipment will require some masking and erection of wind screens to prevent overspray occurrences and damage to surrounding structures, surfaces, vehicles, property, or persons.

**Clean Up**

Clean spray equipment containing uncured material by flushing with VM&P, Naphtha, or mineral spirits. DO NOT USE WATER OR RELAXED SOLVENTS. Do not leave material in spray guns, pump equipment, and/or hoses for prolonged periods unless equipment contains moisture lock hoses, fittings, and seals. Without these, material will cure on hose walls and at unsealed connections possibly causing an increase in operating pressure and material flow restriction.

**Disposal**

Empty containers must be disposed of in an approved landfill in accordance with local, state, and federal regulations.

**Caution**

Avoid prolonged and repeated contact with skin. Do not take internally. Avoid eye contact as this material has adhesive properties. Refer to product Safety Data Sheet (SDS) for additional information pertaining to this product and prior to use or handling.

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