PRIMERITE P305

IPS INNOVATIVE POLYMER SYSTEMS

PRODUCT DESCRIPTION

PrimeRite P305 is a high-quality, plasticizer-free, single-component, water-based acrylic primer designed for brush, roller, or spray application. Formulated to block plasticizer migration from PVC membranes that can cause discoloration and premature failure of elastomeric coating systems, **PrimeRite P305** delivers excellent adhesion to a wide range of single-ply substrates and provides an ideal surface for subsequent application of acrylic and 100% silicone topcoats, including SilTite Silicone Roof Coatings. Its breathable film allows trapped moisture to escape while maintaining a watertight bond between substrate and finish coat.

RECOMMENDED USES

PrimeRite P305 is recommended as a primer for various single-ply membranes including PVC, and aged TPO prior to the application of SilTite Silicone or AcryTite Acrylic Roof Coating systems. Mix well before use. Surfaces must be power-washed clean; the surface must be dry and free of standing water. Surface temperatures should be under 100°F to avoid premature curing. Store between 40–70°F

PRODUCT DATA

Physical Property	Typical Value
Solids by Volume	45% ± 2
Solids by Weight	50.0% ± 2
VOC	< 50 g/l
Clean Up	Water
Shelf Life - Unopened	24 months @40-70°F
Viscosity	300 ± 100 cps
Density	8.8lbs per gallon
Elongation	1750 ± 10%
Tensile Strength	75 ±10 psi

COLOR OPTIONS

Clear, Ivory, and Black

PACKAGING/SHIPPING

CONTAINER SIZE
5 Gallon pail

SHIPPING CLASS
Class 55

COVERAGE RATE

For aged TPO, apply **PrimeRite P305** at a rate of 0.5 gallons per 100 sq. ft. (8 wet mils).

For PVC, apply PrimeRite P305 at a rate of 1.0 gallons per 100 sq. ft. (16 wet mils).

APPLICATION PROPERTIES

Yield (1 gal to 100 sq ft)	7.5 dry mils
Dry Time (75°F, 50% humidity)	45 minutes
Recoat Window	>6 hours
Complete Cure	30 days

SURFACE PREPARATION

Surfaces to be coated should be dry and free of dust, dirt, oil, loose granules, gravel, peeling coatings, and other foreign matter. All wet insulation or foam should be removed and replaced with like materials. For optimal results, power-wash all surfaces at a minimum of 2,000 psi using a wide fan tip, taking all necessary precautions to avoid damage to the roof system. Treat mildew with a bleach solution (1 part bleach to 2 parts water) and rinse thoroughly. Patch and repair cracks or holes with appropriate sealants or caulking materials prior to priming.

APPLICATION

Mix thoroughly before use. Apply **PrimeRite P305** by brush, roller, or spray to a clean, dry surface — see Equipment Recommendations at the end of this sheet for spray setup. Material temperature must be at least 75°F when spraying. Each coat must be fully dry and cured before recoating. If the cured surface becomes contaminated, wash and dry it completely before applying additional coats.

EQUIPMENT

Brush
· Synthetic filament

Roller
· 1¼" nap roller

Spray
· 30:1 fluid to air ratio capable pump
· 2 1/2 gallons or more per minute (continuous)
· Filter screen 30 mesh or larger
· Hose rated to 2x maximum pump pressure
· Hose lining should be compatible with coating and required cleanout materials
· Hose lengths: (Largest diameter at pump)
  - 3/8 minimum 6 ft whip
  - 3/8 minimum I.D. up to 75 feet
  - 1/2 minimum I.D. up to 200 feet
  - 3/4 minimum I.D. over 200 feet
· Spray gun: Graco Hydra Mastic or equivalent
· Spray Tip:
  - Reversible self-cleaning type
  - Orifice size of .027 to .039
  - Fan angle of 40° to 50°

Always use components rated for pump pressures.

APPLICATION

CLEAN UP

Clean tools and equipment with water while the coating is still wet. Once cured, mechanical removal will be required. Properly dispose of any unwanted product.

SAFE PRACTICES

This product is for professional installation only. Before use, read and understand all available information on its risks, proper use, and handling.

Sources include but are not limited to the SDS and product labels. Additional resources are available at sprayips.com or by contacting IPS directly.

ENVIRONMENTAL CONDITIONS

PrimeRite P305 cures by water evaporation only. Do not apply when the ambient temperature is below 50°F, or if there is any possibility temperatures could fall below 32°F within 24 hours of application. Application is not recommended if rain or dew is likely to occur before the product fully dries. In high-humidity conditions, avoid late-afternoon applications, as overnight dew formation on an uncured surface can cause coating wash-off. On marginal weather days, multiple thin coats can help ensure proper drying before rain or overnight freezes.

LIMITATIONS

The surface must be clean and dry prior to application. **PrimeRite P305** is not recommended for use on roofs with slopes less than 1/8" in 12" or where ponded water is present. Do not apply over wet substrates or when inclement weather is imminent. Complete cure requires full evaporation of water; cool temperatures and high humidity will retard cure. This product is not recommended for use without a vapor barrier in cryogenic tank or cold storage roofing applications and is not intended to serve as a thermal barrier.

PONDED WATER

· IPS warranties do not cover damage due to ponding water.

· The National Roofing Contractors Association considers ponding water on any roof unacceptable.

(See the NRCA Roofing and Waterproofing Manual)