

Product Description

Pr305 is a high-quality, plasticizer-free, single-component, water-based acrylic primer designed for brush, roller, or spray application. It is formulated to block plasticizer migration from PVC membranes, which can cause discoloration and premature failure of elastomeric coating systems.

Pr305 delivers excellent adhesion to a wide range of single-ply substrates and provides an ideal surface for the subsequent application of SESCO acrylic and 100% silicone topcoats. Its breathable film allows trapped moisture to escape while maintaining a watertight bond between substrate and finish coat.

Recommended Uses

Pr305 is recommended as a primer for single-ply membranes, including PVC and aged TPO, prior to the application of SESCO silicone or acrylic roof coating systems.

Surfaces must be power washed clean, dry, and free of standing water. Surface temperatures should be under 100°F to avoid premature curing.

Product Data

Physical Property	Typical Value	Test Method
VOC	< 50 g/L	N/A
Solids by Volume	45% +/- 2	N/A
Solids by Weight	50% +/- 2	N/A
Density	8.8 lb/gal	N/A
Viscosity	300 +/- 100 cps	N/A
Elongation	1750% +/- 10%	N/A
Tensile Strength	75 +/- 10 psi	N/A
Clean Up	Water	N/A
Shelf Life	24 months, unopened	N/A

**Typical physical properties +/- 5%.*

Surface Preparation

Surfaces to be coated must be dry and free of dust, dirt, oil, loose granules, gravel, peeling coatings, and other foreign matter. Remove all wet insulation or foam and replace it 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 of one part bleach to two parts water and rinse thoroughly. Patch and repair cracks or holes with appropriate sealants or caulking materials prior to priming.

Safe Practices

Pr305 is intended for professional installation only. Before use, read and understand the current Safety Data Sheet, product label, and applicable installation instructions.

Use the personal protective equipment, ventilation, handling procedures, and safety precautions identified in those documents. Additional information is available at sescoroof.com or by contacting SESCO directly.

Coverage Rate

For aged TPO, apply Pr305 at a rate of 0.5 gallons per 100 square feet, producing approximately 8 wet mils.

For PVC, apply Pr305 at a rate of 1.0 gallon per 100 square feet, producing approximately 16 wet mils.

Actual coverage will vary depending on substrate porosity, texture, surface condition, application method, and material loss.

Application Properties

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

Packaging/Shipping

CONTAINER SIZE | SHIPPING CLASS
5 Gallon pail | Class 55

Storage

Store Pr305 between 40°F and 70°F and protect it from freezing. Stir well before use.

Color Options

Clear, Ivory, and Black

Application

Mix thoroughly before use. Apply Pr305 by brush, roller, or spray to a clean, dry surface. Refer to the Equipment Recommendations section for spray setup. When spraying, the material temperature must be at least 75°F.

Each coat must be fully dry and cured before recoating. If a cured surface becomes contaminated, wash it and allow it to dry completely before applying additional coats.

Equipment Recommendations

Always use components rated for the applicable pump pressures.

- Brush with synthetic filaments
- 1¼-inch nap roller
- Pump capable of a 30:1 fluid-to-air ratio
- Continuous output of 2½ gallons per minute or more
- Filter screen of 30 mesh or larger
- Hose rated for at least twice the maximum pump pressure
- Hose lining compatible with the coating and required cleanout materials
- Minimum 3/8-inch, 6-foot whip hose
- Minimum 3/8-inch inside diameter for lengths up to 75 feet
- Minimum 1/2-inch inside diameter for lengths up to 200 feet
- Minimum 3/4-inch inside diameter for lengths over 200 feet
- Graco Hydra Mastic spray gun or equivalent
- Reversible, self-cleaning spray tip
- Tip orifice ranging from 0.027 to 0.039 inch
- Spray fan angle ranging from 40° to 50°

Position the largest-diameter hose section nearest the pump.

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.

Environmental Conditions

Pr305 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, because 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. Pr305 is not recommended for use on roofs with slopes less than 1/8 inch in 12 inches, 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, and cool temperatures or high humidity will retard cure.

Pr305 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

SESCO 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.