PROGRESSIVE MATERIALS

SILICONE ROOFING SYSTEMS

PRO prime

Technical Product Data

# P-152 Epoxy Single-Ply Primer

## BASIC USES & DESCRIPTION

P-152 Epoxy Primer is a two component, water-based, general use roof primer that adheres well to a variety of substrates. The primer is one part of a full commercial roof restoration system and acts as an adhesion promoter for silicone, acrylic, or urethane roof coatings. Applying P-152 is important for increasing the bond of liquid applied roof coatings to any substrate and helps to protect your project from future failures. It is among the most trusted epoxy primers on the market. Easily combine and mix material without the need for measuring or an additional bucket. P-152 penetrates and seals the surfaces to enhance the bonding of top coats to almost any substrate. Its distinct color makes it easy to detect where coverage is needed while priming or during top coat application. P-15s is non-toxic with a VOC-compliant content that exceeds EPA standards.

## EQUIPMENT

The primer can be applied to the substrate with airless spray equipment, industrial paint brushes, or nap rollers. For smaller projects (under 10,000 sq ft) when spraying, an airless spray pump like Graco Ultra 395 PC is recommended as it can provide a needed pressure between 1,500-2,000 psi. It has a maximum flow rate of .54 GPM with ¼ inch hoses up to 150 ft. For larger projects (over 10,000 ft), we recommend using Graco UltraMax Sprayers capable of up to 1.10 gpm and 3,300 psi of constant pressure with hoses up to 300 ft. Graco Airless Guns that are suitable to the pump psi outputs with .021 tips are also recommended.

## APPLICATION

The surface should be clean, dry, and free of oils, dirt, or films that may prevent adhesion. Power wash as needed. Repair or replace any damaged areas on the roof, including drains, vents, flashing, seams, etc. Areas with mildew, fungus, or algae can be treated with a concentrated chlorine solution. Use P-120 Rinseable Cleaner to scrub areas with grease, oil, or animal fats. Rinse cleaning agents off the roof and allow the surface to dry before priming.

## MIXING

The A side (Iso) should be premixed before combining with the B side (Poly). Mix the material until uniform before use. Mix times may vary based on volume and mixing method.

## APPLICATION REQUIREMENTS

The material can be applied between 50°F - 120°F, but the temperature must remain above 50°F until cured. Rain or moisture cannot be present during application. Stop application a minimum of two hours before rain or when the relative humidity is reached. Bring the material temperature to a minimum of 65°F before use. Apply the primer at a minimum of .25 gallons per square. Check specifications for required wet and dry film thickness. Allow the primer to cure for a minimum of 8 hours before topcoat application. Cure time may vary depending on temperature and humidity. If re-coat is needed, it should be applied the next day or within 48 hours.

## CLEANING

Clean all tools and equipment, including brushes, rollers, spray guns, and spray lines with water. If the material has cured on equipment, use chemically dry mineral spirits or a similar cleaning solvent.



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## STORAGE & SHELF LIFE

The material shelf life is 12 months from the date of manufacture. Store in a dry, temperature-controlled space in sealed and unopened containers between 60°F - 90°F. As a water-based product, it should be protected from freezing.

## PRECAUTIONS

P-152 is not UV color stable and has no long-term UV testing. Protect the material from freezing. Avoid breathing in vapors or repeated skin contact. Do not thin or add foreign material to the product. See Safety Data Sheet for complete safety data.

| LIQUID PROPERTIES | TEST METHOD | TEST RESULTS |
|---|---|---|
| Solids by Weight | ASTM D1644 | 59% |
| Solids by Volume | ASTM D2697 | 50.5% |
| Liquid Density A Side | ASTM D1475 | 12.27 lbs/gal |
| Liquid Density B Side | ASTM D1475 | 7.86 lbs/gal |
| Mixed Liquid Density | N/A | 11.83 lbs/gal |
| Specific Gravity A Side | N/A | 1.473 g/mL |
| Specific Gravity B Side | N/A | 0.945 g/mL |
| Mixed Specific Gravity | N/A | 1.42 g/mL |
| Ratio by Volume (A:B) | N/A | 9A:1B |
| Ratio by Weight (A:B) | N/A | 14A:1B |
| Recoat Window | N/A | between 8 hrs - 7 days |
| Full Cure | N/A | 7 days |
| VOC | N/A | 35 g/L |



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