



**SHERWIN
WILLIAMS.**

Chemical Coatings

CC-D3

POLANE® Primer-Sealer

Gray E65A4
Catalyst V66V27

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p>POLANE® Primer-Sealer is a two package polyurethane coating suitable for use as a primer over steel or as a primer-sealer over fillers and putties.</p> <p>Advantages:</p> <ul style="list-style-type: none"> • Excellent impact resistance • Excellent chemical resistance • Excellent adhesion to cast iron and steel • Excellent resistance to machine tool cutting oils • Easy sanding • Excellent hold out for full gloss top-coats • Air dry or force dry • Ideal for use as a crankcase sealer • Intermediate coat for machine tool finishing systems • Free of lead and chromate hazards 	<p>Gloss: Flat</p> <p>Volume Solids: 22 ± 2% catalyzed and reduced</p> <p>Viscosity: 17-23 seconds#3 Zahn Cup</p> <p>Recommended film thickness: Mils Wet 3.5 - 4.5 Mils Dry 1.0 - 1.25</p> <p>Spreading Rate (no application loss) 256-385 sq.ft/gal @ 1.0-1.25 mils DFT</p> <p>Drying (77°F, 50% RH): To Touch: 5-15 minutes To Handle: 40-60 minutes To Recoat: 30-60 minutes To Sand: 2 hours Force Dry: 10-30 minutes at 140-180°F</p> <p>Flash Point: 50°F Pensky-Martens Closed Cup</p> <p>Mixing Ratio: 13 parts Primer-Sealer 1 part Catalyst V66V27 3½ parts Reducer R7K69 or R7K84</p> <p>Pot Life: 8 hours @ 77°F</p> <p>Package Life: 3 years, unopened</p> <p>Air Quality Data: Non-photochemically reactive Volatile Organic Compounds (VOC) Primer-Sealer, as packaged, maximum 5.3 lb/gal, 636 g/L V66V27, as packaged, maximum 3.8 lb/gal, 458 g/L catalyzed and reduced as above 5.53 lb/gal, 663 g/L</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility.</p>	<p>General: Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, any contamination, and surface passivation treatments to ensure optimum adhesion and coating performance properties. Consult Metal Preparation Brochure CC-T1 for additional details.</p> <p>Plastic: Due to the diverse nature of plastic substrates, a coating or coating system must be tested for acceptable adhesion to the substrate prior to use in production. Reground and recycled plastics along with various fire retardants, flowing agents, mold release agents, and foaming/blowing agents will affect coating adhesion. Please consult your Sherwin-Williams Chemical Coatings Sales Representative for system recommendations.</p> <p>Steel or Iron: Remove rust, mill scale, and oxidation products. For best results, treat the surface with a proprietary surface chemical treatment of zinc or iron phosphate to improve corrosion protection.</p> <p>Cast Iron: Fill with Polane SprayFil, sand, and seal with Polane Primer-Sealer</p> <p>Wood (interior only): Must be clean, dry, and finish sanded. Substrate should be free of grease, oil, dirt, fingerprints, and any contamination to ensure optimum adhesion and coating performance properties.</p> <p>Testing: Due to the wide variety of substrates, surface preparation methods, and application methods and environments, the customer should test the complete system for adhesion and compatibility prior to full scale application.</p>

APPLICATION

May be applied by:

Dipping, brushing, and floccating applications are not recommended.

Conventional Spray

Air Pressure45-60 psi
Fluid Pressure10-20 psi
Fluid Nozzle055"

Air Assisted Airless

Assist Air15-25 psi
Fluid Pressure 1800-2400 psi
Tip011 - .013

Electrostatic Hand Spray

Air Pressure45-55 psi
Fluid Pressure12-20 psi
Fluid Nozzle055"
40-85 Kv

HVLP

Air Pressure7-10 psi
Fluid Pressure10-12 psi
Fluid Nozzle055"

Cleanup:

Clean tools/equipment immediately after use with Polane Reducer.

Follow manufacturer's safety recommendations when using any solvent.

SPECIFICATIONS

Product Limitations:

- Polane Catalyst, V66V27 must be used to achieve proper performance. Do not vary catalyst ratio which has been established to provide optimum hardness, flexibility, gloss, and chemical resistance.
- Heat shortens pot life. Do not spray hot. Do not pump catalyzed material into circulating systems. Friction heat developed by pumps and circulation will shorten pot life.
- Protect from moisture, water affects pot life and product properties. Store indoors.
- Do not package Polane coated products in air tight plastic bags unless completely cured. Polane continues to cure for several weeks, the buildup of organic solvents and reaction by-products could cause improper cure and adhesion failure in use.

Note: Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, The Sherwin-Williams company cannot make any warranties as to the end result.

CAUTIONS

FOR INDUSTRIAL SHOP APPLICATION

Thoroughly review product label and Material Safety Data Sheet (MSDS) for safety and cautions prior to using this product.

A Material Safety Data Sheet is available from your local Sherwin-Williams facility.

Please direct any questions or comments to your local Sherwin-Williams facility.