SHERWIN WILLIAMS

CC-D17A

POLANE® Plus Sealer

Gray E65A71
Catalyst V66V47

DESCRIPTION

POLANE® Plus Sealer is a 3.5 lb/gal VOC* two component polyurethane coating suitable for use as a primer or as a primer sealer on metal, plastic and wood.

Advantages:

- 3.5 lb/gal VOC catalyzed and reduced
- Primer for steel surfaces over fillers and putties such as Polane® 2.8 Plus SprayFil D61H75 for the machine tool market
- Excellent impact and chemical resistance
- Excellent adhesion to cast iron and steel
- Excellent resistance to machine tool cutting oils
- Provides good salt spray, humidity and chemical resistance on metal surfaces when topcoated with Polane® enamels
- Easy sanding
- Excellent holdout for full gloss topcoats
- Air dry or force dry. Low energy cure

*VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.

CHARACTERISTICS

Gloss: 20-30 units (60°)
Volume Solids: 51 ± 2%
catalyzed and reduced
Viscosity:
10-13 seconds #3 Zahn Cup
catalyzed and reduced
Recommended film thickness:

Mils Wet	3.0 - 4.0
Mils Dry	1.5 - 2.1

Spreading Rate (no application loss)
410-545 sq ft/gal @ 1.5-2.1 mils DFT
Drying (77°F, 45% RH):

To Touch:	20-30 minutes
To Handle:	60-90 minutes
To Sand:	4-5 hours
To Recoat:	60-90 minutes
Force Dry:	30 minutes at 140°F to sand or recoat

Curing temperature must not exceed the heat distortion temperature of the substrate.

Mixing Ratio:

4 part	E65A71
1 part	Catalyst V66V47
1 part	Reducer R7K74

Pot Life: 4 hours
Flash Point: 75°F Pensky-Martens Closed Cup
Package Life: 2 years, unopened V66V47 12 months, unopened

Air Quality Data (Theoretical):

- Non-photochemically reactive
- Volatile Organic Compounds (VOC) as packaged, maximum, less exempt solvents 2.71 lb/gal, 325 g/L
- Catalyzed and reduced as above: 3.5 lb/gal, 420 g/L

An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.paintdocs.com.

SPECIFICATIONS

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.

Aluminum (untreated)**:** Prime with Industrial Wash Primer, P60G2, RoHS Compliant Wash Primer, P60G10 or Kem Aqua® Wash Primer, E61G522.

Galvanized Steel (untreated)**:** Prime with Industrial Wash Primer, P60G2, RoHS Compliant Wash Primer, P60G10 or Kem Aqua® Wash Primer, E61G522.

Plastic: Mold release must be removed from the substrate. 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 Product Finishes Sales Representative for system recommendations.

Steel: 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.

Cast Iron: Fill with Polane® 2.8 Plus SprayFil D61H75, and sand.

Wood (interior only)**:** Must be clean, dry, and finish sanded. Substrate should be free any contamination to ensure optimum adhesion and coating performance properties.

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SPECIFICATIONS

Testing: The information, data, and recommendations set forth in this Product Data Sheet are based upon test results believed to be reliable. However, due to the wide variety of substrates, substrate properties, surface preparation methods, equipment and tools, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

APPLICATION

Typical Setups

Reduction: Reduce with R7K74. Maximum total reduction is 20% by volume to maintain 3.5 lb/gal VOC. Using other Polane® reducers (MAK,R7K84,R7K95) will change the VOC and may affect gloss.

Conventional Spray:
Air Pressure..... 50-55 psi
Fluid Pressure ..... 8-10 psi
Tip ..... .055-.070
Airless Spray:
Pressure .....1800-2200 psi
Tip .....011 - .015"

Dipping, brushing, or flowcoat application is not recommended.

Cleanup:
Clean tools/equipment immediately after use with Polane® Reducers, R7K74, R7K84 or ketone solvents.

Follow manufacturer's safety recommendations when using any solvent.

SPECIFICATIONS

Product Limitations:

- Polane® Catalyst V66V47 must be used to achieve proper performance. **Do not vary catalyst ratio.** The catalyst ratio has been established for optimum hardness, flexibility, gloss and chemical and solvent resistance.
- Do not spray hot. Heat shortens pot life. Do not pump catalyzed material from drums into circulating systems, friction heat developed by pumps and circulation will shorten pot life.
- Protect all Polane® products from moisture as water affects pot life and properties. Store indoors.
- Do not package Polane® coated parts in air tight plastic bags unless completely cured. Since Polane® products continue to cure for several weeks, the buildup of organic solvents and reaction by-products could cause improper cure and adhesion failure in use.
- Do not blend with any other polyurethane quality. No other catalysts, colorants, or reducers are recommended because foreign materials such as alcohols, glycols, and lacquer thinners affect film performance properties.
- If recoating after more than 7 days cure, sand lightly to ensure intercoat adhesion.
- Do not apply to wood substrates for exterior applications.

CAUTIONS

FOR INDUSTRIAL SHOP APPLICATION ONLY

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

To obtain the most current version of the Environmental Data Sheet (EDS), Product Data Sheet (PDS), or Safety Data Sheet (SDS) please visit your local Sherwin-Williams facility or www.paintdocs.com.

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

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