

Product Data Sheet



Keeler & Long/PPG
856 Echo Lake Road
Watertown, CT
1-800-238-8596



PPG High Performance Coatings

Hydro-Poxy™ Primer KLC2001/ KLC2001B Gray

Product Information

Product Code: KLC2001 Gray Part A
KLC2001B Curing Agent Part B

Product: Water-based Epoxy

Suggested Use: A waterborne, two-component epoxy primer recommended for use in industrial or commercial environments or where a tough, impact, abrasion, mar and stain resistant coating is required. Suitable for use on properly prepared steel, galvanized steel, aluminum, copper, plaster, concrete, masonry and wood surfaces.

Not Recommended: Exterior surfaces, if left untopcoated.

Product Description

Color: Gray

Gloss 60°: Matte

VOC: 1.72 lbs./gal. (260 g/L) mixed

Method: Calculated

Weight/Gallon: 10.9 ± 0.5 lbs./gal. (mixed)

In Service Heat Limitations: 250°F (121°C) maximum, dry heat

Flash Point: KLC2001 98°F (36.7°C)
KLC2001B 200°F (93°C)

Package: KLC2001 and KLC2001B are available in full filled one and five gallon containers.

Percent Solids by Volume: 39.4 ± 2.0% (mixed)

Percent Solids by Weight: 54.5 ± 2.0% (mixed)

Drying Schedule

Air Dry @ 77°F (25°C) ASTM D5895

Dry to Touch: 2.5 hours

Dry to Handle: 11 hours

Dry to Recoat: 16 hours

Drying times listed may vary depending on temperature, humidity and air movement.

Application Data

Substrate: Metal, masonry or wood

Substrate Preparation: The service life of the coating is directly related to the surface preparation. The surface to be coated must be dimensionally stable, dry, clean and free of all contamination.

Minimum surface preparation is

Steel: SSPC-SP6 NACE#3 Commercial Blast Cleaning.

Galvanized Steel: Stabilizers on the surface of galvanized steel must be removed by either brush blasting, sanding or chemical treatment prior to coating.

Aluminum and Copper: Must be lightly blasted to remove contaminants and provide an anchor pattern prior to coating.

Compatible Topcoats: Hydro-Poxy™ Enamels, Hydro-Poxy™ Surfacer, Neothane™ Enamels, Poly-Silicone Enamels

Application Method: Air Spray: DeVilbiss MBC gun, 704 or 777 air cap with "E" tip and needle or equivalent equipment. Atomization Pressure: 55-70 psi.

Airless Spray: Equipment capable of maintaining a minimum of 1500 psi at the tip without surge. 0.015" (0.381 mm) to 0.017" (0.342 mm) orifice.

Brush: Use a high quality polyester/nylon brush.

Roller: Use a 3/8" nap roller cover with a solvent resistant core.

Refer to Application Guide APG-4 for additional information.

Parts Base by Volume: 1 part KLC2001 Part A

Parts Catalyst by Volume: 1 part KLC2001B Part B

Thinner Code & Percent: Thinning is not normally required. Water may be added up to 6 fluid ounces per gallon as needed for application.

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Digestion Time: No digestion is required.

Pot Life: 6 hours @ 77°F (25°C)

*Coverage Sq.
Ft./Gal. @ 3.5 mils:* 181 sq. ft./gal.

Mixing Instructions: Using mechanical agitation, mix both components thoroughly prior to blending. Add KLC2001B Part B to KLC2001 Part A and blend well.

*Wet Film Per
Coat:* 7.6 to 10.2 mils

*Dry Film Per
Coat:* 3.0 to 4.0 mils

*Clean Up
Solvent:* Clean up with warm soapy water. Flush equipment with paint thinner to prevent corrosion.

Additional Information

Apply only when air, product and surface temperatures are at least 50°F and the surface temperature is at least 5°F (3°C) above the dew point.

Store materials at temperatures between 50°F (10°C) and 90°F (32.2°C).

Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available by calling 1-800-238-8596.

Not intended for residential use.

Protect from freezing.

Spray equipment must be handled with due care and in accordance with manufacturer's recommendation.

High-pressure injection of coatings into the skin by airless equipment may cause serious injury, requiring immediate medical attention at a hospital.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.