

Product Data Sheet



Keeler & Long/PPG
856 Echo Lake Road
Watertown, CT 06795
1-800-238-8596

Hydro-Poxy™ Enamel

KLH Series

**Product Information**

Product Code: KLH1XXXX Gloss Part A where XXXX is a color designation
KLH1B Curing Agent Part B

Product: Water Based Epoxy

Suggested Use: Use where a water miscible, two-component polyamide type epoxy coating, which exhibits moderate chemical resistance, and a tough abrasion resistant film with a glossy appearance, is required.

Not Recommended: Exterior exposures; exposure to splash or spillage of strong acids, alkalis or solvents.

Product Description

Color: Limited

Gloss 60°: 85 minimum

VOC: 1.52 lbs./gal. (182 g/L) *

Method: Calculated (mixed)

Weight/Gallon: 10.4 ± 0.5 lbs./gal. *

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

Flash Point: Part A: 156°F (69°C)
Part B: 200°F (93°C)

Package: Part A is available in short filled one and five gallon containers. KLH1B, Part B, is available in short filled quart and gallon containers.

Percent Solids by Volume: 39.6 ± 3.0% *

Percent Solids by Weight: 52.2 ± 3.0% *

Drying Schedule

Air Dry @ 77°F (25°C) ASTM D5869

Dry to Touch: 8 hours

Dry to Handle: 12 hours

Dry to Recoat: 24 hours

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

Application Data

Substrate: Metal or masonry

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

Compatible Undercoats: Aqua-Kolor™ Primers and Enamels, Hydro-Poxy™ Surfacer, Hydro-Poxy™ Primer, Kolor-Poxy™ Primers and Enamels, Kolor-Sil™ Enamels, Poly-Silicone Enamels, Kolor-Nine™ Primers, Vinyl-Latex

Application Method: Air Spray: DeVilbiss MBC gun, 704 or 777 air cap with "E" or "F" tip and needle or equivalent equipment. Atomization Pressure: 30-60 psi.

Airless Spray: Equipment capable of maintaining a minimum of 2500 psi at the tip without surge. 0.013" (0.330 mm) to 0.017" (0.432 mm) orifice.

Brush: Use a high quality polyester/nylon brush.

Roller: Use a high quality roller cover.

Refer to Application Guide APG-4 for additional information.

Parts Base by Volume: 4.5 parts "A"

Parts Catalyst by Volume: 1 part KLH1B (Part B)

Thinner Code & Percent: Thin up to 10% by volume with KL900 as needed for application.

Digestion Time: Not required

Pot Life: 9 hours @ 77°F (25°C)

Coverage Sq. Ft./Gal. @ 2 mils: 318 sq. ft./gal.*



PPG High Performance Coatings

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Application Data (continued)

Wet Film Per

Coat: 5.1 to 7.6 mils*

Dry Film Per Coat:

2.0 to 3.0 mils

Clean Up Solvent: Wash equipment promptly with warm soapy water. Flush equipment with thinner to prevent corrosion.

Mixing Information: Thoroughly mix Part A before blending. Add KLH1B Part B to Part A. Mix until uniform. No digestion time is required.

Additional Information

Apply only when air, product and surface temperatures are above 50°F (10°C) and surface temperature is at least 5°F (3°C) above the dew point. Curing is retarded below 60°F (15°C).

Store materials at temperatures between 55°F (12.8°C) and 95°F (35°C).

Permissible substrate temperature during application is 50°F (10°C) to 120°F (48.9°C).

Not recommended for immersion service.

Not intended for residential use.

Protect from freezing.

*Values are calculated using KLH16002 White, Part A mixed with KLH1B, Part B. Values will vary with color.

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

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.