Product Data Sheet

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

PPG High Performance Coatings

Epoxy Enamel
KLE Series

Product Information

Product Code: KLE1XXXX Part A where XXXX is a color designation.
KLE2XXXX Part A
KLE1B Curing Agent Part B

Product: Polyamide Epoxy

Suggested Use: A two component, polyamide epoxy enamel formulated to provide excellent chemical, abrasion and direct impact resistance for interior exposures.

Use as a topcoat for concrete and steel surfaces, subject to radiation, decontamination, and loss-of-coolant accidents in Coating Service Level I areas of nuclear power plants.

Not Recommended: Areas other than above, as the KLJ Series can be utilized in Coating Service Level II and certain Level III areas, as well as balance of plant, of nuclear power plants.

Product Description

Colors: Available in a wide range of colors.

Gloss 60°: KLE1XXXX 85 minimum
KLE2XXXX 35 - 65

VOC: 3.47 lbs./gal. (416 g/L) * mixed, unthinned

Method: Calculated

Weight/Gallon: 10.2 ± 0.5 lbs./gal. *

In Service Heat Limitations: 250ºF (121ºC) **

Flash Point: Part A 82ºF (27.8°C)
Part B 104ºF (40°C)

Package: Part A is available in one gallon containers at 0.80 gallon (3.03 liters) and five gallon containers filled at 4.00 gallons (15.1 liters).

KLE1B Part B is available filled in quart containers at 25.6 fluid ounces (751 mL) and full filled gallon containers.

Percent Solids by Volume: 53.9 ± 3.0% *

Percent Solids by Weight: 66.1 ± 3.0% *

Drying Schedule

Air Dry @ 77°F (25°C) ASTM D5895

Dry to Touch: 4 hours

Dry to Handle: 8 hours

Drying Schedule (continued)

Dry to Recoat: 48 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 and primed, dry, clean and free of contamination including oil, dirt, grease and rust.

Basecoats: Epoxy Surfacer, Epoxy White Primer

Application Method: Apply by spray, brush or roller application.

Air Spray: DeVilbiss MBC gun, 704 or 777 air cap, “E” for “F” tip and needle or equivalent equipment. Atomization Pressure: 30-60 psi.

Airless Spray: Equipment capable of maintaining a minimum of 2500 psi without surge at the tip. 0.011” (0.279 mm) to 0.017” (0.432 mm) orifice.

Brush: Use a high quality natural bristle brush.

Roller: Use a high quality roller cover with a solvent resistant core.

Refer to Application Guide APG-2 for additional information.

Thinner Code & Percent: Thin up to 5% by volume with KL4093 as needed for application.

Coverage Sq. Ft./Gal. @ 2 mils: 362 sq. ft./gal.*

Mixing Instructions: Thoroughly mix Part A before blending. Add KLE1B Part B to Part A. Mix until uniform. Allow to digest for 1 hour before use.

Wet Film Per Coat: 3.7 to 4.6 mils *

Dry Film Per Coat: 2.0 to 2.5 mils

Clean Up Solvent: KL4093

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Application Information (continued)

Parts Base by Volume: 4 part "A"

Parts Catalyst by Volume: 1 part KLE1B Part "B"

Digestion Time: 1 hour @ 77ºF (25ºC)

Potlife: 8 hours @ 77ºF (25ºC)

Additional Information

Apply only when air, product and surface temperatures are at least 55 ºF (12.8ºC) and surface temperature is at least 5ºF (3ºC) above the dew point. Curing is retarded below 60ºF (15.6ºC).

Store materials at temperatures between 45ºF (7.2ºC) and 95ºF (35º)

Permissible substrate temperatures during application is 55ºF (12.8ºC) and 120ºF (48.9ºC).

*Values are calculated using KLE16002 White mixed 4:1 by volume with KLE1B. Values will vary with color.

**KLE Series coating system was evaluated and passed the 7-Day 340ºF Design Basis Accident Test per ANSI N101.2 and ASTM D3911.

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.

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.