Product Data Sheet

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

PPG High Performance Coatings

Neothane™ Hi-Solids Enamel KLNC Series

Product Information

Product Code: KLNC150 White Base Part A
KLNC160 Neutral Base Part A
KLNC170 Yellow Base Part A
KLNC180 Red Base Part A
KLNC1B Curing Agent Part B

Product Type: Acrylic Urethane

Suggested Use: Neothane™ Hi-Solids Urethane is recommended as a topcoat in coating systems where superior color and gloss retention are required. This product is formulated to be compliant in areas where 2.08 lbs./gallon VOC is needed.

Not Recommended: Immersion service or for application to dimensionally unstable substrates, such as large expanses of wood.

Product Description

Color: A full range of colors is available.

Gloss 20°: 70 minimum

VOC: 2.07 lbs./gal. (248 g/L)

Method: Calculated (mixed)

Weight/Gallon: 12.2 ±0.5 lbs./gal. (mixed) *

In Service Heat Limitations: 350°F (177°C) maximum, dry heat.
Color begins to change at 275°F (135°C).

Flash Point: KLNC150, Part A 78°F (26°C)
KLNC160, Part A 84°F (29°C)
KLNC170, Part A 67°F (19°C)
KLNC180, Part A 68°F 20°C)
KLNC1B, Part B 331°F (166°C)

Package: KLNC150 and KLNC160 Part A are available in short filled one and five gallon containers. KLNC170 and KLNC180 are available in short filled one gallon containers.
KLNC1B Part B is available in short filled quart and gallon containers.

Percent Solids by Volume: 68.7% ± 3.0% (mixed) *

Percent Solids by Weight: 82.3% ± 3.0% (mixed) *

Application Data

Substrate: Ferrous metal or masonry

Basecoat: Kolorane™ Aluminum Primer, Kolormastic™, Kolor-Poxy™ Primers, Kolor-Poxy™ Surfacer

Substrate Preparation: The service life of the coating is directly related to the surface preparation. The surface to be coated must be dimensionally stable, properly prepared and primed, dry, clean and free of contamination. Where appropriate, bare areas should be primed with a suitable primer.

Previously Painted Surfaces: Old coatings should be tested for adhesion of the existing system and lifting by the proposed topcoat.

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

Air Spray: DeVilbiss MBC gun, 777 or 78 air cap with "E" or "F" tip and needle or equivalent equipment. Atomizing pressure 55-70 psi.

Airless Spray: Equipment capable of maintaining a minimum of 1800 psi at the tip without surge. 0.013" (0.330 mm) to 0.015" (0.381 mm) orifice.

Brush: Use a high quality natural bristle brush.

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

Refer to Application Guide AGP-5 for additional information.

Parts Base by Volume: 5 parts Part A

Parts Catalyst by Volume: 1 part KLNC1B Part B

Thinner Code & Percent: For a 2.8 lb/gal (340 g/L) VOC, do not exceed 15% thinning. KLC1290 Exempt Thinner must be used to obtain 2.08 lb/gal (250 g/L) VOC. KLC1290 can be used for brush, roll or spray application. KL500 can be added for brush, roll or spray application where VOC regulations allow. KL500 will increase the conductivity of the mixed paint. KL1200 and KLC1275 may also be used for thinning.

Digestion Time: None required

Pot Life: 3 hours at 77°F (25°C).
The addition of 6 fluid ounces of KL722 Urethane Accelerator per mixed gallon will result in potlife of 1 hour at 77°F (25°C).

Wet Film Per Coat: 2.9 to 4.4 mils *

Dry Film Per Coat: 2.0 to 3.0 mils

Coverage Sq. Ft/Gal @ 1 mil: 1102 sq. ft./gal.*

Clean Up Solvent: KLC1225, KL1200, KLC1275, KL500 or KLC1290

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Application Data (continued)

Mixing Instructions: Mix Part A thoroughly before blending. (If KL722 Accelerator is used, add it to the Part A and mix well prior to the addition of KLNC1B Part B. Add up to 6 fluid ounces of KL722 per mixed gallon.) Add KLNC1B Part B to Part A and mix until uniform. No digestion time is required.

Drying Schedule

Drying Schedule: Per ASTM D5895, air dry and 50% relative humidity.

	50°F (10°C)	60°F (15.6°C)	77°F (25°C)	90°F (32.2°C)
Dry to Touch:	3.5 hours	3.0 hour	2.0 hours	1.0 hour
Dry to Handle:	8.5 hours	6.5 hours	2.5 hours	1.5 hours
Dry to Recoat:	24 hours	14 hours	4.5 hours	2.5 hours

Accelerated with 6 fluid ounces of KL722 per mixed gallon

	50°F (10°C)	60°F (15.6°C)	77°F (25°C)	90°F (32.2°C)
Dry to Touch:	1.0 hour	30 minutes	10 minutes	Not recommended.
Dry to Handle:	1.5 hours	45 minutes	20 minutes	
Dry to Recoat:	1.75 hours	1.0 hour	30 minutes	

It is not recommended that KL722 be used at paint temperatures above 77°F (25°C). The pot life is less than one hour under these conditions.

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

Forced Cure: Unaccelerated Neothane may be flashed and baked to a dry to handle film using one of the following schedules:

45 minutes @ 150°F (65.5°C)

30 minutes @ 175°F (79°C)

15 minutes @ 200°F (93°C)

10 minutes @ 250°F (121°C)

Note: No discoloration occurs if these schedules are used.

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.

Permissible substrate temperature during application is 50ºF (10ºC) to 140ºF (60ºC).

Store materials at temperatures between 60°F (16°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.

*Values are calculated for KLNC150 tinted White and mixed with KLNC1B. Values will vary with color.

The solvents contained in these products can lift some alkyd, oil based and other coatings that are not resistant to strong solvents. A test patch application is recommended.

Do not apply to concrete surfaces below grade or in other applications where hydrostatic pressure is present.

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.

Not intended for residential use.

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.