

KL65487107/K65487107B

High build Polyamide-Epoxy Primer

DESCRIPTION

2-Component High Build Polyamide-Epoxy Primer

PRINCIPAL CHARACTERISTICS

- Use where a high build primer/topcoat is required.
- Provides abrasion, impact and chemical resistance when applied to steel and concrete surfaces subject to radiation, decontamination and loss-of-coolant accidents in Nuclear Coatings Service areas-Level I.
- May also be used as a primer/finish for steel surfaces in these same environments.

Notes:

- Not recommended for immersion in strong solvents
- Not recommended for surfaces exposed outside Nuclear Coating Service Level I areas, as KL3200/KL3200B may be used for Level II, certain Level III areas and balance of plant applications.

COLOR AND GLOSS LEVEL

- Available in white and mine safety gray
- Flat

BASIC DATA AT 77°F (25°C)

Data for mixed product	
Number of components	Two
Mass density	13.6 lb/US gal (1.6 kg/l)
Volume solids	66 ± 3%
VOC (Supplied)	max. 2.5 lb/US gal (approx. 300 g/l)
Temperature resistance	To 250°F 121°C)
Recommended dry film thickness	2.5 - 9.5 mils (64 - 241 µm) per coat
Theoretical spreading rate	1062 ft ² /US gal for 1.0 mils (26.1 m ² /l for 25 µm) 425 ft ² /US gal for 2.5 mils (10.4 m ² /l for 64 µm) 112 ft ² /US gal for 9.5 mils (2.7 m ² /l for 241 µm)
Dry to touch	4 hours
Dry to overcoat/topcoat	24 hours
Dry to handle	8 hours
Curing time	24 hours
Dry to walk on	24 hours
Full cure after	7 days



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Data for mixed product

Shelf life	At least 12 months when stored cool and dry
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Notes:

- In-Service heat limitations: 250 degrees F (Maximum Dry heat)
- Drying times listed may vary depending on temperature, humidity and air movement

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- The service life of the coating is directly related to the surface preparation.
- The surface to be coated must be properly prepared, dry, clean and free of contamination.
- Minimum surface preparation is SSPC-SP6 (NACE#3) Commercial Blast Cleaning for ferrous substrates
- Brush blasting or acid etching is required for masonry
- Near White Metal Blast cleaning per SSPC-SP10 (NACE#2) is minimum surface preparation for immersion service.

Substrate temperature

- DONOTUSE Above 120°F (49°C) and below 55°F (13°C), and at least 5°F (3°C) above dew point during application and curing

Warning

Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. EXPOSURE TO LEAD DUST OR FUMES MAY CAUSE ADVERSE HEALTH EFFECTS, ESPECIALLY IN CHILDREN OR PREGNANT WOMEN. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted and approved (e.g., NIOSH approved) respirator and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-424-LEAD or the regional Health Canada office

SYSTEM SPECIFICATION

- Compatible topcoats: Epoxy Enamels, Epoxy Hi-Build Enamels, Epoxy White Primer, Hydro-Epoxy Enamels

Substrate: Ferrous metal or masonry

Induction time

45 minutes

Pot life

8 hours at 77°F (25°C)



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Application

- Apply by air or airless spray, brush or roller application
- Mix the two components, Part A (Paint) and Part B (converter), in the proportions furnished by volume by stirring independently and then together. DO NOT SUB-DIVIDE KITS.
- Thoroughly mix the two components by "boxing" between two containers at least ten times, or as necessary to obtain a uniform mixture
- Allow 45 minutes for digestion/induction time

Material temperature

Material temperature during application should be between 55°F (13°C) and 95°F (35°C)

Air spray

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

Recommended thinner

KL4093 Thinner

Volume of thinner

0 - 10%

Airless spray

- Equipment capable of maintaining a minimum of 2500 psi at the tip without surge. 0.015" (0.38mm) to 0.019" (0.48mm) orifice.
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Brush/roller

- Use a high quality natural bristle brush or a high quality polyester-nylon roller cover with a solvent resistant core.
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Cleaning solvent

KL4093 Thinner

Notes:

- All application equipment must be cleaned immediately after use
- In warm or hot weather (85-120 degrees F) equipment should be cleaned at least every four hours

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ADDITIONAL DATA

Overcoating interval for DFT up to 9.5 mils					
Overcoating with...	Interval	32°F (0°C)	50°F (10°C)	70°F (21°C)	90°F (32°C)
Itself and recommended topcoats	Minimum	Not recommended	Not recommended	24 hours - 36 hours	12 hours - 24 hours
	Maximum	Not recommended	Not recommended	12 months	12 months

Note: Maximum interval is 12 months only when surface is free of contamination.

Product Qualifications

- KL65487107/K65487107B Coating System was evaluated and passed a 6 hour 340 F (171C) Design Basis Accident Test per ANSI N101.2 and ASTM D3911

DISCLAIMER

- Not recommended for residential use

SAFETY PRECAUTIONS

- 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 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. NOT APPROVED FOR AVIATION USE!!
- See Safety Data Sheet and product label for complete safety and precaution requirements
- 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

WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

REFERENCES

- | | | |
|--------------------------------------|-------------------|------|
| • EXPLANATION TO PRODUCT DATA SHEETS | INFORMATION SHEET | 1411 |
| • CONVERSION TABLES | INFORMATION SHEET | 1410 |



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WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

LIMITATIONS OF LIABILITY

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AVAILABILITY

Packaging

1-gallon and 5-gallon kits

Product codes	Description
KL65487107/01	White base for 1 gallon kit.
KL65487107/05	White base for 5 gallon kit
KL65488707/01	Mine Safety Gray Base for 1 gallon kit
K65487107B/01	Hardener for 5 gallon kit
K65487107B/04	Hardener for 1 gallon kit
K65488707B/04	Hardener for Mine Safety Gray base for 1 gallon kit

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