

KL9600N Series

Hi-Solids Epoxy Coating

DESCRIPTION

Two Component, High Solids Epoxy-Polyamidoamine

PRINCIPAL CHARACTERISTICS

- A primer/finish that provides barrier type protection.
- Can be used as a primer over marginally prepared steel or concrete
- High solids formulation
- Can be used in Service Level I areas of Nuclear Power Plants subject to radiation, decontamination and loss of coolant accidents.

Note: Not recommended for immersion service

COLOR AND GLOSS LEVEL

- A wide range of colors
- Gloss 60 Meter: 65 minimum

BASIC DATA AT 77°F (25°C)

Data for mixed product	
Number of components	Two
Mass density	11.8 lb/US gal (1.4 kg/l)
Volume solids	88 ± 3%
VOC (Supplied)	EPA Method 24: 1.7 lb/US gal (197.7 g/l)
Temperature resistance	To 200°F 93°C)
Recommended dry film thickness	5.0 - 8.0 mils (125 - 200 µm) per coat
Theoretical spreading rate	1413 ft ² /US gal for 1.0 mils (34.7 m ² /l for 25 µm) 283 ft ² /US gal for 5.0 mils (6.9 m ² /l for 125 µm) 177 ft ² /US gal for 8.0 mils (4.3 m ² /l for 200 µm)
Dry to touch	8 hours
Dry to overcoat	Minimum 24 hours
Dry to handle	12 hours
Shelf life	At least 12 months when stored cool and dry

Notes:

- Drying times listed may vary depending on temperature, humidity and air movement
- In Service Heat Limitations: 200 degrees F Maximum, DRY heat
- Coating systems must be cured a minimum of 7 days at 72 degrees F or more before being subjected to continuous immersion.



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RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Permissible substrate temperature during application is 55-120 degrees F
- Store materials at temperatures between 50°F (10°C) and 95°F (35°C)
- Apply only when air, product and surface temperatures are at least 55 F (12.8C) and surface temperature is at least 5 degrees F above the dew point.

SYSTEM SPECIFICATION

- Topcoats: Epoxy Self-Priming Surfacing Enamels and Hi-Solids Epoxy Coatings.

INSTRUCTIONS FOR USE

- Mix the two components, Part A & B in the proportions furnished by stirring independently and then together. DO NOT SUBDIVIDE KITS
- Thoroughly mix Part A and Part B components by "boxing" between two containers at least ten times, or as necessary to insure uniformity.
- Thin the mixture (if required by application) and "box" as necessary to obtain a uniform mixture

Note: Power mixing is acceptable but it should be noted that such equipment induces heat which could shorten the pot life of the coatings significantly

Application Procedure

- The surface to be coated must be properly prepared, dry, clean and free of all contamination.
- Prepare substrate according to SSPC-SP11 Power Tool Clean to Bare Metal. (Consult K&L PPG Technical services for specific primer recommendations.

Air spray

- DeVilbiss MBC gun, 704 or 765 air cap with "E" or "EX" 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 3000 psi at the tip without surge.

Nozzle orifice

0.017 - 0.019 in (approx. 0.43 - 0.48 mm)



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Brush/roller

- Use a high quality natural bristle brush or a 3/8" nap polyester-nylon roller cover with a solvent resistant core.

Cleaning solvent

KL4093 Thinner

ADDITIONAL DATA

Overcoating interval for DFT up to 8.0 mils (200 µm)					
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 - 48 hours	6 hours - 12 hours
	Maximum	Not recommended	Not recommended	less than 5 days	less than 5 days

Pot life (at application viscosity)	
Mixed product temperature	Pot life
60°F (16°C)	4 hours - 5 hours
78°F (26°C)	3 hours - 4 hours
92°F (33°C)	1 hour - 3 hours
110°F (43°C)	30 minutes - 1 hour

Product Qualifications

- Qualified per ANSI N101.2 and ASTM D3911 for Coating Service Level 1 for Nuclear Power Plants.
- The above coating is manufactured in accordance with a written Quality Assurance Program which meets the requirements of Appendix B 10CFR50 and 10CFR21 of the Federal Register, ANSI N101.4 and ASTM D3843.

SAFETY PRECAUTIONS

- High-pressure injection of coatings into the skin by airless equipment may cause serious injury, requiring immediate medical attention at a hospital
- Spray equipment must be handled with due care and in accordance with manufacturer's recommendation
- Proper safety procedures should be followed while using this product.
- Utilize Personal Protective Equipment when handling this product
- Refer to the Safety Data sheet for important safety information regarding this product.

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.



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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.

AVAILABILITY

Packaging

1-gallon and 1-quart kits

Product codes	Description
KL9600N/01	White Base for 1 gallon kit
KL9600N/04	White base for 1 quart kit
KL960N1105/01	Dark Red Base for 1 gallon kit.
KL960N445/01	Deep Yellow Base for 1 quart kit
KL960N6583/01	Dresden Blue Base for 1 gallon kit
KL960N6792/01	Sky Gray Base for 1 gallon Kit.
KL960N8172/01	Spectrum Yellow Base for 1 gallon kit
KL960N8173/01	Azure Blue Base for 1 gallon kit
KL960N7032/01	Green Gray Base for 1 gallon kit
KL960N8680/04	Marianne Green Base for 1 quart kit
KL960N8685/04	Mellow Yellow Base for 1 quart kit
KL960N8875/01	Niagara Blue Base for 1 gallon kit
KL960N8928/01	Mist Gray Base for 1 gallon kit
KL960N8928/04	Mist Gray Base for 1 quart kit
KL9600NB//08	Hardener for 1 gallon kit.
KL9600NB/16	hardener for 1 Quart kit

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