

KL5129/KL5129B

Kolor-Poxy Primer/Sealer

DESCRIPTION

Two-Component, Epoxy-Amidoamine primer/sealer

PRINCIPAL CHARACTERISTICS

- Use as a primer/sealer for rough, etched or blasted concrete surfaces.
- High solids, VOC compliant
- Qualified for use as a sealer on concrete surfaces in Nuclear Coating Service Level II Areas

Note: Not Recommended for patching holes or cracks

COLOR AND GLOSS LEVEL

- Clear amber
- Gloss -Not applicable

Note: On concrete surfaces product will absorb into the porosity of the concrete leaving a darkened dull finish. If concrete varies in porosity the surface may range from dull to glossy

BASIC DATA AT 77°F (25°C)

Data for mixed product	
Number of components	Two
Mass density	8.7 lb/US gal (1.0 kg/l)
Volume solids	95 ± 3%
VOC (Supplied)	EPA Method 24: 1.2 lb/US gal (142.6 g/l)
Temperature resistance	To 200°F 93°C)
Recommended dry film thickness	2.0 - 4.0 mils (50 - 100 µm) per coat
Theoretical spreading rate	762 ft ² /US gal for 2.0 mils (18.7 m ² /l for 50 µm) 381 ft ² /US gal for 4.0 mils (9.4 m ² /l for 100 µm)
Dry to touch	12 hours
Dry to topcoat	12 hours
Dry to handle	12 hours
Curing time	24 hours
Shelf life	At least 24 months when stored cool and dry

Notes:

- Drying times listed may vary depending on temperature, humidity and air movement
- The dry film thickness and spreading rate are depending on the absorption capability coming from the roughness and porosity of the concrete
- Dry to topcoat at 12 hours as long as product is not wet. A sticky surface is acceptable as long as spiked shoes are worn to walk on surface



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RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Slabs on grade should have a maximum moisture content of 3 lbs / 1,000 ft²/24 hours when measured by calcium chloride test.

Atmospheric exposure conditions

- Ambient temperature during application and curing should be between 50 °F (10 °C) and 100 °F (38 °C)
- DONOTUSE Relative humidity should not exceed 90%

Substrate temperature

- DONOTUSE Below 50°F (10°C), and at least 5°F (3°C) above dew point

Notes:

- Storage conditions should be between 50°F (10°C) and 85°F (29°C)
- If during shipment, or for some other reason, this material is stored outside the specified storage range temporarily, the material must be brought into the specified range at least 24 hours prior to application.

SYSTEM SPECIFICATION

- Topcoat: KL5500

Qualifications

- ASTM E-648 and E-84 Flame spread testing - as a system with KL5500 Self-Leveling Floor Coating
- Chemical resistance, Direct Impact, Radiation Tolerance, Adhesion and decontamination testing per ANSI N5.12 (as a system with KL5500 Self-Leveling Floor Coating)

- Mix thoroughly before application
- The surface to be coated must be properly prepared, dry, clean and free of contamination
- Track blast or acid etch and rinse well to neutralize
- Use a rotary wire brush, grinder or brush blast for walls
- A surface profile equivalent to 80 grit sandpaper is required

Induction time

None

Pot life

45 minutes at 77°F (25°C)



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Application

Material temperature

Material temperature during application should be between 50°F (10°C) and 85°F (29°C)

Airless spray

- Equipment should be capable of maintaining a minimum of 1500 psi at the tip without surge

Recommended thinner

No thinner should be added

Nozzle orifice

Approx. 0.009" (0.23mm) to 0.015 (0.38mm)

Brush/roller

- A roller suitable for epoxy application must be used
- Use a high quality natural bristle brush and/or solvent resistant, 3/8" nap roller. Ensure brush/roller is well loaded to avoid air entrainment. Multiple coats may be necessary to achieve adequate film-build

Recommended thinner

No thinner should be added

Cleaning solvent

THINNER 21-06 (PPG HI-TEMP THINNER 11/AMERCOAT 65)

SAFETY PRECAUTIONS

- Although this is a solvent-free paint, care should be taken to avoid inhalation of spray mist, as well as contact between the wet paint and exposed skin or eyes
 - **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!!
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WARRANTY

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AVAILABILITY

Packaging

1-quart, 1-gallon and 5-gallon kits

Product codes	Description
KL5129/04	Clear base for 1 quart kit
KL5129/01	Clear Base for 1 gallon kit
KL5129/05	Clear base for 5 gallon kit
KL5129B/08	Clear Hardener for 1 quart kit
KL5129B/12	Clear Hardener for 1 gallon kit
KL5129B/02	Clear Hardener for 5 gallon kit

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