

KL5000/KL5000B

Epoxy Self-Leveling Floor Coating

DESCRIPTION

Two component epoxy-amine

PRINCIPAL CHARACTERISTICS

- A self-leveling coating for use on interior floors, steel decking or embeds where a smooth, high gloss durable surface is required
- Walkable in just 24 hours and ready for forklift traffic in 72 hours
- For use in conjunction with PPG KL6129 Epoxy Primer/Sealer
- Qualified for use on concrete and steel surfaces in Nuclear Coating Service Level I Areas

COLOR AND GLOSS LEVEL

- A wide range of colors
- Gloss

BASIC DATA AT 25°C (77°F)

Data for mixed product	
Number of components	Two
Volume solids	100 ± 3%
VOC (Supplied)	max. 0.0 lb/US gal (approx. 0 g/l) max. 0.7 lb/US gal (approx. 85 g/l)
Recommended dry film thickness	35.0 - 50.0 mils (875 - 1250 µm) per coat
Theoretical spreading rate	1604 ft ² /US gal for 1.0 mils (39.4 m ² /l for 25 µm) 40 ft ² /US gal for 40.0 mils (1.0 m ² /l for 1000 µm)
Dry to touch	5 hours at 25 °C (77°F)
Dry to topcoat	12 hours
Dry to walk on	24 hours
Shelf life	At least 12 months when stored cool and dry

Notes:

- VOC reported as Air Dried @ 0.0 lbs./gal and 0.7 lbs./gal as EPA 24 test method
- Drying times listed may vary depending on temperature, humidity and air movement
- Dry for foot traffic in 24 hours, dry for fork lift traffic in 72 hours and full cure after 7 days



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RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Atmospheric exposure conditions

- Ambient temperature during application and curing should be between 60 °F (15.5 °C) and 110 °F (43.3 °C)
 - Relative humidity should not exceed 90%
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Substrate temperature

- Apply only when surface temperature is at least 60 °F (15.5 °C) and maximum of 110 °F (43.3 °C)

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
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SYSTEM SPECIFICATION

- KL6129
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INSTRUCTIONS FOR USE

- The surface to be coated must be clean, dry, and free of contamination
 - Mix thoroughly before application
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Induction time

None

Pot life

20 minutes at 77°F (25°C)

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Application Procedure

- Stir Part A Resin thoroughly to disperse pigment before adding Part B Cure
- Add cure to resin and mix slowly until uniformly blended
- KL5000 is packaged in the proper proportions which must be mixed together before use. DO NOT SPLIT KITS.
- Once the material is properly mixed and homogenous it is STRONGLY recommended to pour mixed material into a clean, dry "shuttle bucket", scrape sides into the center of the shuttle bucket and mix for approx. 1 additional minute. If a shuttle bucket is not used do not drain and scrape the bucket as this may cause soft spots.
- For optimum results (especially on rough or trac-blasted substrates), a "Flush Coat" of KL5000 is STRONGLY recommended. This flush coat can be topcoated after a minimum curing period of 12 hours depending on temperature.
- The Flush Coat is applied using a flat squeegee
- Pour the mixed material onto the floor in a long ribbon approx. 12-18 inches wide
- When applying the final coat of KL5000 pour the mixed material as described above and distribute the material over the surface by means of a notched squeegee, notched steel trowel, or screed bar to obtain the desired film thickness
- After a period of 5-10 minutes (temperature dependant), roll through the coating with a "porcupine" or "spiked" roller in a crosshatch manner to remove any trapped air, and to assist in the leveling process.
- In certain applications it may be necessary to "walk" on freshly applied coating material. This may be accomplished by the use of "spiked" shoes or golf shoes, in the first few minutes after application.

Note: No thinner should be added

Material temperature

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

Cleaning solvent

THINNER 21-06

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.
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WARRANTY

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AVAILABILITY

Packaging

1-gallon and 4-gallon kits

Product codes	Description
KL5000/02	White Base for 1 gallon kit
KL5000/05	White Base for 4 gallon kit
KL50005960/02	Morning Cloud Base for 1 gallon kit
KL50005960/05	Morning Cloud Base for 4 gallon kit
KL50006628/02	Very Light Gray Base for 1 gallon kit
KL50008005/02	Caribbean Blue Base for 1 gallon kit
KL50008005/05	Caribbean Blue Base for 4 gallon kit
KL50008928/02	Mist Gray Base for 1 gallon kit
KL5000B/02	Clear Hardener for 4 gallon kit
KL5000B/12	Clear Hardener for 1 gallon kit

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