

KL5500/KL5500B

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 KL5129 Kolor-Poxy Primer/Sealer
- Qualified for use on concrete and steel surfaces in Nuclear Coating Service Level II Areas

COLOR AND GLOSS LEVEL

- A wide range of colors are available
- Gloss 60 Meter: 85 minimum

BASIC DATA AT 77°F (25°C)

Data for mixed product	
Number of components	Two
Volume solids	100 ± 3%
VOC (Supplied)	EPA Method 24: 0.7 lb/US gal (85.1 g/l)
Temperature resistance	To 200°F 93°C)
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
Dry to topcoat	12 hours
Dry to walk on	24 hours
Shelf life	At least 24 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

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Atmospheric exposure conditions

- Ambient temperature during application and curing should be between 60 °F (16 °C) and 110 °F (42 °C)
- Relative humidity should not exceed 90%



KL5500/KL5500B

Epoxy Self-Leveling Floor Coating

Substrate temperature

- DONOTUSE Above 110°F (43°C) and below 60°F (16°C), and at least 5°F (3°C) above dew point during application and curing

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

- KL5129

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

Induction time

None

Pot life

20 minutes at 77°F (25°C)

Application Procedure

- Stir Part A Resin throughly to disperse pigment before adding Part B Cure
- Add cure to resin and mix slowly until uniformly blended
- KL5500 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 KL5500 is STRONGLY recommended. This flush coat can be topcoated after a minimum curing period of 6-12 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 KL5500 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)



KL5500/KL5500B

Epoxy Self-Leveling Floor Coating

Cleaning solvent

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

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!!
-

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

IN NO EVENT WILL PPG BE LIABLE UNDER ANY THEORY OF RECOVERY (WHETHER BASED ON NEGLIGENCE OF ANY KIND, STRICT LIABILITY OR TORT) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO, ARISING FROM, OR RESULTING FROM ANY USE MADE OF THE PRODUCT. The information in this sheet is intended for guidance only and is based upon laboratory tests that PPG believes to be reliable. PPG may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the PPG product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of PPG's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. PPG has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Therefore, PPG does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise). Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. This sheet supersedes all previous versions and it is the Buyer's responsibility to ensure that this information is current prior to using the product. Current sheets for all PPG Protective & Marine Coatings Products are maintained at www.ppgpmc.com. The English text of this sheet shall prevail over any translation thereof.

AVAILABILITY

Packaging

1-gallon and 4-gallon kits



KL5500/KL5500B

Epoxy Self-Leveling Floor Coating

Product codes	Description
KL5500/02	White Base for 1 gallon kit
KL5500/05	White Base for 4 gallon kit
KL55004751/05	Sanitary Blue Base for 4 gallon kit
KL55005504/02	Light Gray base for 1 gallon kit.
KL55005504/05	Light Gray Base for 4 gallon kit
KL55005506/05	Dark Gray Base for 4 gallon kit
KL55005524/05	Platinum Base for 4 gallon kit
KL55006060/02	Light Gray base for 1 gallon kit.
KL55006060/05	Light Gray Base for 4 gallon kit
KL55006065/05	Lighter Gray Base for 4 gallon kit
KL55006312/05	Pearl Gray Base for 4 gallon kit
KL55006492/02	Gray Base for 1 gallon kit
KL55006628/02	Very Light Gray Base for 1 gallon kit
KL55006792/05	Sky Gray Base for 4 gallon kit
KL55006966/05	Beverly Gray Base for 4 gallon kit
KL55007155/05	Powder Blue Base for 4 gallon kit
KL55007778/02	Buff Base for 1 gallon kit
KL55007778/05	Buff Base for 4 gallon kit
KL55007967/05	Lemon Ice Base for 4 gallon kit
KL55008700/05	Cream Base for 4 gallon kit
KL55008955/05	Citron Glace Base for 4 gallon kit
KL5500AB33/05	MOX Off White Base for 4 gallon kit
KL5500B/02	Clear Hardener for 4 gallon kit
KL5500B/12	Clear Hardener for 1 gallon kit

The PPG logo, and all other PPG marks are property of the PPG group of companies. All other third-party marks are property of their respective owners.

