



Concrete Coatings & Floor systems

TECHNICAL BULLETIN Kemiko® 100% Solids High Gloss Self-Leveling Epoxy (SS3500 Series)

Description

Kemiko® 100% Solids High Gloss Self-Leveling Epoxy (SS3500) is a two component, abrasion-resistant epoxy coating that offers excellent adhesion to concrete. Benefits of the product include being user friendly, low VOC, self-leveling, minimal odor and cures to a very hard resilient high-gloss film. Kemiko® SS3500 is non-blushing in high humidity, cures overnight and is available in many color options. This product is also compliant to all EPA and SCAQMD regulations.

Applications

Kemiko® SS3500 can be applied to properly prepared concrete. Typical applications include: hospital and food processing floors, petrochemical and chemical secondary containment, warehouse floors, showroom floors, concrete countertops and many other surfaces that require excellent physical and chemical resistant properties.

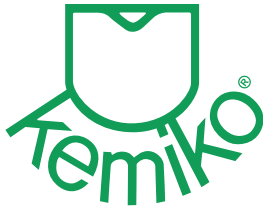
Physical Characteristics

Kit Size	Small (0.75Gal) and Large (5.08Gal) kits available
Colors Available	Various colors (see color chart)
Volume Solids	100% (theoretical)
VOC Contents	<50 g/L (theoretical) Compliant to SCAQMD Rule 1113
Mixed Specific Gravity	1.09 – 1.12 (theoretical) Varies by color
Adhesion	>350 PSI, Concrete failure (ASTM D4541)
Gloss	High Gloss, >85 Gloss Units at 60° (ASTM D523)
Hardness	Shore D >80 (ASTM D2240)
Abrasion Resistance	69.8 mg loss, CS-17 wheel, 1000g, 1000 cycles (ASTM D4060)

Application Characteristics

Mix Ratio By Volume	2:1 (A:B) Approximate
Pot Life	30 minutes (0.75 gallon kit)
Film Thickness	20 minutes (5.08 gallon kit)
Coverage Per Kit	6–100 mils (0.15–2.5mm) wet film thickness (WFT) 0.75Gal: 200ft ² –270ft ² (18.6m ² –25.1m ²) @ 6–8 mils (0.15–0.20mm) WFT
Dry/Recoat Time	5.08Gal: 1000ft ² –1350ft ² (92.9m ² –125.4m ²) @ 6–8 mils (0.15–0.20mm) WFT Note: Coverage rates will vary depending on surface texture and porosity Dry to Touch: 8–10 hours Light Foot Traffic: 16–24 hours Heavy Traffic: 36–48 hours Full Chemical & Physical Resistance Cure: 5–7 days Recoat Window: Within 24 hours after product reaches Dry to Touch Time
Primers	Kemiko® SS1600, SS3400, SS3700, and Quick Grip Primer
Thinning	Do not thin product
Clean Up	Clean tools with Acetone, Denatured Alcohol, or MEK
Shelf Life	24 Months from manufacturing date

Note: Testing was performed at 77°F (25°C) and 50% RH. Product characteristics will vary depending on temperature, humidity and other conditions relative to the environment.



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Packaging Description

Weight per Kit:

Small kit: 7.0 lbs (3.18 kg)

Large kit: 47.9 lbs (21.23 kg)

Kemiko® SS3500 Part A Resin SA3500 contains:

5.0 lbs (2.27 kg) / 0.51Gal (1.91 L) of product in a 1 gallon (3.78 L) container **(small kit)**

34.0 lbs (15.42 kg) / 3.43Gal (13.00 L) of product in a 6 gallon (22.71 L) container **(large kit)**

Kemiko® SS3500 Part B Hardener SB3500 contains:

2.0 lbs (0.91 kg) / 0.24Gal (0.90 L) of product in a 1 quart (0.95 L) container **(small kit)**

13.9 lbs (6.30 kg) / 1.65Gal (6.25 L) of product in a 2 Gallon (7.57 L) container **(large kit)**

Environmental Conditions

For best results, apply when surface temperature is between 50°F- 85°F (10°C-29°C) and 5°F (3°C) above dew point. Avoid using in direct sunlight. Do not apply on rainy or foggy days.

Clean Up

Use Acetone, Denatured Alcohol, or MEK to clean tools.

Storage Conditions

Store between 50°F-100°F (10°C-37.8°C). Keep in a cool, well-ventilated area, away from direct sunlight and heat. Store in a segregated and safe area, avoiding all possible sources of ignition.

Safety

Care should be taken when using this product. During application, use protective eye wear, proper respirator and protective gloves. Ensure work spaces are well ventilated. Read product label and SDS carefully for more detailed safety information prior to handling or use.

Disclaimer

Information provided in this technical bulletin is based on laboratory testing under controlled ambient conditions and is used as a guideline only.

Warranty

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of this product and no warranty is made as to the results of any use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product that is proved to be defective. Any claim of defective product must be received in writing within one (1) year from date of shipment. Neither seller nor manufacturer assumes any liability for injury, loss or damage resulting from use of this product.

Contact us for any additional application information.



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