



## Concrete Coatings & Floor systems

## TECHNICAL BULLETIN Kemiko® 100% Solids High Gloss Self-Leveling Epoxy Fast Cure (SS3500FF Series)

### Description

Kemiko® 100% Solids High Gloss Self-Leveling Epoxy Fast Cure (SS3500FF) 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® SS3500FF is non-blushing in high humidity and is available in many color options. This product is also compliant to all EPA and SCAQMD regulations.

### Applications

Kemiko® SS3500FF 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

<b>Kit Size</b>	Small (0.75Gal) and Large (5.06Gal) kits available
<b>Colors Available</b>	Various colors (see color chart)
<b>Volume Solids</b>	100% (theoretical)
<b>VOC Contents</b>	<50 g/L (theoretical) Compliant to SCAQMD Rule 1113
<b>Mixed Specific Gravity</b>	1.09 – 1.12 (theoretical) Varies by color
<b>Adhesion</b>	>350 PSI, Concrete failure (ASTM D4541)
<b>Gloss</b>	High Gloss, >85 Gloss Units at 60° (ASTM D523)
<b>Hardness</b>	Shore D >80 (ASTM D2240)
<b>Abrasion Resistance</b>	69.8 mg loss, CS-17 wheel, 1000g, 1000 cycles (ASTM D4060)

### Application Characteristics

<b>Mix Ratio By Volume</b>	2:1 (A:B) Approximate
<b>Pot Life</b>	20 minutes (0.75 gallon kit)
<b>Film Thickness</b>	12 minutes (5.06 gallon kit)
<b>Coverage Per Kit</b>	6–100 mils (0.15–2.5mm) wet film thickness (WFT) 0.75Gal: 200ft <sup>2</sup> –270ft <sup>2</sup> (18.6m <sup>2</sup> –25.1m <sup>2</sup> ) @ 6–8 mils (0.15–0.20mm) WFT
<b>Dry/Recoat Time</b>	5.06Gal: 1000ft <sup>2</sup> –1350ft <sup>2</sup> (92.9m <sup>2</sup> –125.4m <sup>2</sup> ) @ 6–8 mils (0.15–0.20mm) WFT Note: Coverage rates will vary depending on surface texture and porosity Dry to Touch: 6–8 hours Light Foot Traffic: 14–20 hours Heavy Traffic: 30–36 hours Full Chemical & Physical Resistance Cure: 5–7 days Recoat Window: Within 24 hours after product reaches Dry to Touch Time
<b>Primers</b>	Kemiko® SS1600, SS3400, SS3700, and Quick Grip Primer
<b>Thinning</b>	Do not thin product
<b>Clean Up</b>	Clean tools with Acetone, Denatured Alcohol, or MEK
<b>Shelf Life</b>	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® SS3500FF Part A Resin SA3500FF 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® SS3500FF Part B Hardener SB3500FF 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 warm water and mild soap 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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