



Concrete Coatings & Floor systems

TECHNICAL BULLETIN

Kemiko® Sta Crete 100% Solids Epoxy (SS1500 Series)

Description

Kemiko® STA-CRETE® 100% Solids Epoxy (SS1500) is a two component, abrasion resistant epoxy coating offering excellent adhesion to concrete for pool and marine show aquaria. Benefits of the product include being low VOC, low odor, self-leveling, vertical sag resistant and cures quickly to a very hard resilient high-gloss film. This product has been an industry standard for over 30 years and is veterinarian approved for use with seals, whales and walrus. SS1500 series is compliant to all EPA and SCAQMD regulations.

Applications

Kemiko® STA-CRETE® SS1500 can be applied to properly prepared concrete and fiberglass subject to continuous abrasion service as well as salt water & chlorinated water immersion. This product has successfully been applied in theme parks, water parks, commercial aquariums, show aquariums, fountains, water features, and swimming pools.

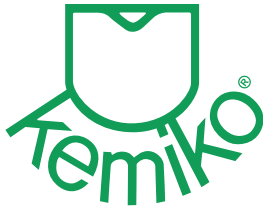
Physical Characteristics

Kit Size	0.95 (+/- 0.5) gallon kits available
Colors Available	Clear and colors available
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 when applied over SS3700 (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	15 minutes (0.95 gallon kit)
Film Thickness	6–8 mils (0.15–0.20mm) wet film thickness (WFT)
Coverage Per Kit	0.95Gal: 200ft ² –270ft ² (18.6m ² –25.1m ²) @ 6–8 mils (0.15–0.20mm) WFT Note: Coverage rates will vary depending on surface texture and porosity
Dry/Recoat Time	Dry to Touch: 6–8 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	12 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.



Concrete Coatings & Floor systems

TECHNICAL BULLETIN

**Kemiko® Sta Crete
100% Solids Epoxy
(SS1500 Series)**

Packaging Description

Weight per Kit:

8.8-9.7 lbs (4.0-4.4 kg)

Kemiko® SS1500 Part A Resin SA1500 contains:

6.0-7.0 lbs (2.72-3.17 kg) / 0.55Gal of product in a 1 Gallon (3.79 L) container

Kemiko® SS1500 Part B Hardener SB1500 contains:

2.7 lbs (1.23 kg) of product in a 1 Gallon (3.79 L) container

*Note : Weight and volume varies by color

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.



EPMAR Corporation - A Quaker Houghton Company

9930 Painter Ave, Whittier, CA 90605-3254

P: 562.946.8781 F: 562.944.9958

epmar.com | kemiko.com

Rev12.2020