



Kemiko
Industrial
Coatings

TECHNICAL BULLETIN

KEMIKO® (STA CRETE) SS3700 W/B High Gloss Epoxy Coating

Description

KEMIKO® SS3700 is a high gloss, quick dry, water extended epoxy coating that offers excellent adhesion, abrasion resistance, low odor, and is designed to be used as a thin film resilient primer / finish. This product can be applied to cement, steel, wood and plaster surfaces. KEMIKO® SS3700 cures in 1-2 hours and is available in various colors. According to United States Department of Agriculture guidelines, this coating has been determined to be chemically acceptable for application to structural surfaces where there is a possibility of incidental food contact in official establishments operating under the Federal Meat and Poultry Products Inspection Program.

Applications

KEMIKO® SS3700 is applied to properly prepared cement and steel substrates subject to traffic and chemicals. KEMIKO® SS3700 is ideal for architectural applications, food and chemical processing facilities, hospitals, water and wastewater treatment facilities, and many other applications that require a cost-effective surface tolerant general maintenance primer/finish. KEMIKO® SS3700 may be utilized as a prime coat application for STA-CRYL 47 Acrylic, KEMIKO® 100% Solids Epoxies, and KEMIKO® SS2700 Aliphatic Polyurethane topcoats. May also be used as an excellent interior clear coat over KEMIKO® and REMBRANDT stains.

Physical Characteristics

	Clear	Satin
Volume Solids	50%	50%
Packaging	1 ^s & 5 ^s (premeasured kits)	same
Flash Point	>200°F	>200°F
Gloss	High Gloss	Satin
Mix Ratio	4:1 (A: B) by volume	2:1 (A:B) by volume (Clear)
VOC	>100 g/l	Max 50 g/l
Pot Life	6 hours at 70°F, 50% RH	
Dry Time	@70°F 50% RH - Recoat (min. 2 hours max 5 days). Dry for foot traffic - 4 hours, heavy traffic - 12 hours, full cure - 7 days. @50°F 40% RH - Recoat (min. 6 hours max 10 days). @90°F 30% RH - Recoat (min. 1 hour max 48 hours).	
Film Thickness	2-3 mils DFT	
Coverage	350 ft ² /gallon (two coats)	
Thinning	None required. Water for clean up.	
Primers	Self priming	
Colors	Various	
Topcoats	STA-CRYL 47 Acrylic, KEMIKO® SS1202, KEMIKO® SS3500, KEMIKO® SS2700 Polyurethane (for exterior color and gloss retention)	

Surface Preparation

Concrete –

All visible oil, grease, sludge, and any other contaminants shall be removed prior to any abrasive surface preparation, acid etching and water washing. Surface shall be cured, dry and free from alkali stain and laitance. Prepare surfaces in accordance with SSPC-SP7 Brush-Off Blast Cleaning or use Blastrac for long term adhesion and non-slip surface on floors.



*Kemiko
Industrial
Coatings*

TECHNICAL BULLETIN

KEMIKO® (STA CRETE) SS3700 W/B High Gloss Epoxy Coating

Metals –

All visible oil, grease, sludge, and any other contaminants shall be removed prior to any abrasive surface preparation. Prepare carbon steel in accordance with SSPC-SP6 and achieve 1-2 mil surface profile. Small surfaces may be prepared in accordance with SSPC-SP2 and SSPC-SP3 followed by SSPC-SP1.

Wood –

Surface must be completely dry, free of any contaminants, mildew and organic matter.

Existing Coatings –

With high-pressure wash off any chalk; remove all visible grease, oil, dirt or any other deleterious matter. Spot prime bare surfaces prior to full application coat.

Application Methods

Mixing –

Mix Part A component until a homogeneous mixture is obtained. Next, pour Part B into Part A and mix using mechanical jiffy mixer for 2-3 minutes at low speed. Avoid mixing air into the mixture. Scrape sides of the container and make sure all material is thoroughly mixed. Pouring mixed material into a clean container and re-mixing insures complete reaction of epoxy coating. Allow minimum 3-minute induction time prior to application.

Brush –

Use top-quality nylon bristle brush for best film properties.

Roller –

Lambs wool or similar cover with phenolic core, ¼ - ½ inch nap thickness.

Spray –

Airless Spray – Use Graco 33:1 airless equipment or equal designed for spraying high solids coatings. Use Binks 'Airless 1' spray gun with reverse-a-clean .017-.019 spray tips, 3/8" or larger solvent resistant fluid line with ¼" or larger air supply line. Adjust pump pressure to the lowest possible setting that allows proper atomization.

Environment –

Apply between 60°F – 100°F and 5°F above dew point.

For Industrial Use Only.

Contact EPMAR for any additional application information.

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, which 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.

Service is part of our formula

Epmar Corporation

13210 Barton Circle, Santa Fe Springs, CA 90605-3254

Ph: 562.946.8781 / Fax: 562.944.9958

E-Mail: epmar@quakerchem.com Web Site: www.epmar.com

09/28/10