



*Kemiko
Industrial
Coatings*

TECHNICAL BULLETIN

KEMIKO® (STA CRETE) SS3800 Universal Epoxy Coating

Description

KEMIKO® SS3800 is a high gloss, ultra low VOC, quick dry amine cured 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. KEMIKO® 3800 can be applied on cement walls, steel, wood and plaster surfaces. KEMIKO® SS3800 is recoatable in 1-2 hours and is available in various colors.

Applications

KEMIKO® SS3800 may be applied to properly prepared cement and steel substrates subject to abrasion service, 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® SS3800 may be utilized as a prime coat application for STA-CRYL 47 Acrylic, KEMIKO® 100% Solids Epoxies, KEMIKO® SS2700, KEMIKO® SS3300 Aliphatic Polyaspartic topcoat, as well as an excellent interior clear coat over KEMIKO® and REMBRANDT stains. 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.

Physical Characteristics

VOC	Max VOC 50 g/l
Volume Solids	Clear - 42%; Pigmented - 46%
Packaging	1 ^s & 5 ^s (premeasured kits for clear & pigmented)
FlashPoint	>200°F. for clear and pigmented
Gloss	High Gloss for clear and pigmented. Clear also available in Satin finish.
Dry Time	@70°F. 50% RH – Recoat in minimum of 2 hrs to a max of 3-days. Dry for foot traffic in 4-hours; Heavy traffic in 12-hours. Full cure in 5-days. @50°F. 40% RH - Recoat intervals are increased to 6 hours min. to 10-days max. @90°F. 30% RH - Recoat intervals are decreased to 1 hour min. to 2-days max.
Film Thickness-Coverage	2-4 mils DFT- 300-350 ft ² /gallon/coat
Thinning	Normally, none required or a maximum of 10% clean water by volume reduction. Water is used for clean up.
Primers	Self priming or ZRC ZERO VOC
Colors	Various – See Color Chart
Potlife	4 hours at 70°F
Topcoats	STA-CRYL 47, KEMIKO® SS1202, STA-CRETE® SS1500/OXY-SHIELD, KEMIKO® SS1600, KEMIKO® SS2700, and KEMIKO® SS3300 Polyaspartic (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, Blas-Trac or other approved mechanical method to achieve a 60-80 grit profile for long term adhesion and non-slip surface on floors.



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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 –

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

Application Methods

Mixing –

Mix base component until a homogeneous mixture is obtained. Next, pour activator into base component and mix using mechanical jiffy mixer for 2-3 minutes. Make sure all material is thoroughly mixed. Pouring mixed material into a clean container and re-mixing insures complete reaction of epoxy. Allow minimum 10-minute dwell time prior to application. If thinning with water, add water after conversion and induction time and remix until homogeneous. Application of multiple thin coats is recommended over fewer heavy coats.

Brush –

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

Roller –

Lambswool 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 dewpoint.

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

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08/26/2010