



Concrete
Coatings &
Floor Systems

TECHNICAL BULLETIN
Kemiko® Water Based Quick Dry
Epoxy - Satin (SS3700 CF)

Description

Kemiko SS3700 CF is a satin 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 and finish. This product can be applied to cement, steel, wood and plaster surfaces. Kemiko SS3700 CF is USDA acceptable in food processing facilities, cures in 1-2 hours and is available in various colors.

Applications

Kemiko SS3700 CF is applied to properly prepared cement and steel substrates subject to traffic and chemicals. This product is ideal for architectural applications, food and chemical processing facilities, hospitals, water and wastewater treatment facilities or many other applications that require a cost-effective, surface-tolerant general maintenance primer or finish coat.

Physical Characteristics

Volume Solids	50%
Packaging	0.9 gal & 4.5 gal (premeasured kits)
Flash Point	>200°F
Gloss	Satin
Mix Ratio	2:1 (A: B) by volume (Clear)
VOC	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 in 4 hours – heavy traffic in 12 hours. Full cure in 7 days. @ 50°F 40% RH - Recoat (min. 6 hours max 10 days). @ 90°F 30% RH - Recoat (min. 1 hour max 3 days).
Film Thickness	2-3 mils DFT
Coverage	350 ft ² /gallon (two coats)
Thinning	None required
Primers	Self priming
Topcoats	Kemiko SS3700 CF Kemiko SS2700 Satin for exterior 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.

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 bare surfaces prior to full application coat.



Concrete
Coatings &
Floor Systems

TECHNICAL BULLETIN

Kemiko® Water Based Quick Dry Epoxy - Satin (SS3700 CF)

Clean Up Water for clean up

Application Methods

Mixing

Mix Part B thoroughly on a low speed. Then, pour Part B into Part A and mix on a low to medium speed for 2-3 minutes until a homogeneous mixture is obtained. Avoid blending air into the mixture. Scrape sides of the container and make sure all material is thoroughly blended. Pouring mixed material into a clean container and remixing ensures complete reaction of epoxy coating. Allow a 15 minute induction time before application. Once the induction time has elapsed, dilute, if needed, with 10% fresh clean water and remix. No further induction time is required.

Brush Use top quality bristle brush for best film properties

Roller Lambswool or similar cover with phenolic core, ¼ - ½ inch nap thickness

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, " 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.

IMPORTANT: It is a normal occurrence in the Part B component for the contents to separate over time and in certain environmental conditions. DO NOT strain Part B. Instead, mix Part B thoroughly until the contents appear uniform and smooth. Then, proceed with the remaining mixing instructions. Water Based Quick Dry Epoxy - Satin (SS3700CF) is not recommended as a topcoat over very light colored substrates.
For Industrial Use 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 and 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.

Contact EPMAR for any additional application information



Epmar Corporation
13240 Barton Circle, Santa Fe Springs, CA 90605-3254
Ph: 562.946.8781 / Fax: 562.944.9958
www.epmar.com / www.kemiko.com