



Description

Kemiko SS1600 is a two component, water extended epoxy coating that offers excellent physical properties, a long pot life, low-VOC, water clean up, low odor, and is designed to be used as a thin film resilient primer/finish. Kemiko SS1600 can be applied on cement floors, steel, wood, plaster and even damp surfaces. Kemiko SS1600 is USDA acceptable in food processing facilities, cures overnight and is available in clear and various colors.

Applications

Kemiko SS1600 is applied to properly prepared cement and steel substrates subject to traffic and chemicals. Kemiko SS1600 is ideal for garages, hangars and warehouse floors, architectural applications, food and chemical processing facilities, hospitals, and many other applications that require a cost-effective, surface tolerant, general maintenance coating. This product may be utilized as a primer for Kemiko 100% Solids Epoxies (SS1202, SS1202 UVR, SS3500), Kemiko Aliphatic Polyurethane (SS2700) and Kemiko Polyaspartic topcoats (SS3300, SS3200), as well as an excellent interior clear topcoat over Kemiko reactive and acrylic stains.

Physical Characteristics

	Clear	Pigmented
Volume Solids	45%	45%
VOC	Max VOC 250 g/l	Max VOC 100 g/l
Packaging	1.3 gal and 4.0 gal (premeasured kits)	1.6 gal and 4.8 gal (premeasured kits)
Flash Point	>200°F	
Gloss	Gloss	
Mix Ratio	1:3 (A:B) by volume	1:4 (A:B) by volume (most)
Pot Life	6 hours @ 70°F 50% RH	
Dry Time	@ 70°F 50% RH Recoat in a minimum of 6 hours to a maximum of 3 days Foot traffic in 18 hours; Full cure in 5 days @ 60°F @ 40% RH–Recoat in minimum of 12 hours to a maximum of 5 days @ 90°F @ 30% RH–Recoat in a minimum of 3 hours to a maximum of 48 hours	
Film Thickness	3-5 mils DFT	
Coverage	200-250 ft ² per gal, per coat (2 coats required)	
Thinning	10-15% by volume with clean water only.	
Primers	Self priming	
Colors	Various	
Topcoats	Kemiko SS1202, SS1202 UVR, SS3700, SS1600 Kemiko SS2700 Polyurethane, SS3200 and SS3300 Polyaspartic series (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.



**Concrete
Coatings &
Floor Systems**

TECHNICAL BULLETIN
Kemiko® SS1600
Water Extended 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 —

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.

Clean Up — Water for clean up.

Application Methods

Mixing —

Mix Part B component until a homogeneous mixture is obtained. Next, pour Part A into Part B component and mix using mechanical jiffy mixer for 2-3 minutes at medium speed. Avoid mixing air into the mixture. Scrape the container sides and make sure all material is thoroughly mixed. Pouring mixed material into a clean container and remixing insures complete reaction of epoxy coating. Allow 15 minutes induction time, then slowly add 10-15% water and remix before application.

Brush — Use top quality bristle brush for best film properties.

Roller —

Lambswool or similar cover with phenolic core, ¼ - ½ inch nap thickness. Use minimal pressure. Cold surfaces may require some thinning with water.

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.



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