



**Description**

Kemiko Waterborne Low-VOC Epoxy Primer/Topcoat (SS3400) is a gloss, amine cured water extended epoxy coating that offers excellent adhesion, abrasion resistance, low odor, and is designed to be used as a thin resilient primer/topcoat. Kemiko Waterborne Low-VOC Epoxy Primer/Topcoat (SS3400) can be applied on cement, steel, wood and plaster surfaces. It can be recoated in 8 hours, and is available in clear and colors.

**Applications**

Kemiko Waterborne Low-VOC Epoxy Primer/Topcoat (SS3400) is 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/topcoat. 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.

According to United States Department of Agriculture guidelines, Kemiko Waterborne Low-VOC Epoxy Primer Topcoat (SS3400) has been determined to be chemically acceptable for application to structural surfaces where there is possibility of incidental food contact in official establishments operating under the Federal Meat and Poultry Inspection Program.

**Performance**

<b>VOC</b>	< 5 g/l. Meets Final SCAQMD Rule 1113
<b>Abrasion Resistance</b>	45 mg. loss ASTM D-4060
<b>Adhesion</b>	Excellent > 450 Lbs psi (CONCRETE FAILURE). ASTM D-4541
<b>Chemical Resistance</b>	Sea Water, 5% Acetic Acid, 10% Sulfuric Acid, 10% Caustic, Ammonium Hydroxide, Gasoline/Jet Fuel, Brake Fluid/Skydrol

**Physical Characteristics**

<b>Volume Solids</b>	52.5%
<b>Weight per Gallon</b>	8.71 lbs
<b>Packaging</b>	1.5 gal & 5 gal (premeasured kits for clear and pigmented)
<b>Flash Point</b>	>200°F for clear and pigmented
<b>Gloss</b>	High gloss for clear and pigmented
<b>Mix Ratio</b>	1:2 (A:B) by volume
<b>Pot Life</b>	1 hour @ 70°F/50% RH
<b>Dry Time</b>	@ 70°F/50% RH recoat in minimum of 8 hours to a maximum of 5 days. Dry for foot traffic in 16 hours. Open for heavy traffic in 24 hours. Full cure in 7 days
<b>Film Thickness</b>	2-4 mils DFT
<b>Coverage</b>	250-300 ft² per gallon, per coat
<b>Thinning</b>	Product must be thinned 15% (maximum) with clean water before applying
<b>Primers</b>	Self priming
<b>Colors</b>	Clear, Safety Yellow colors available upon request
<b>Topcoats</b>	Kemiko SS1202, SS1202 UVR, SS1600, SS3700, SS3400, SS2700 Polyurethane, SS3200, SS3300 Polyaspartic series (for exterior color and gloss retention)



## Concrete Coatings & Floor Systems

## TECHNICAL BULLETIN Kemiko® Waterborne Low-VOC Epoxy Primer/Topcoat (SS3400)

### 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, Blastrac or other approved mechanical method to achieve a 60-80 grit profile 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 surfaces prior to full application coat.

**Clean Up** — Use water for clean up.

### Applications Methods

**Mixing** — Mix base component (part B) until a homogeneous mixture is obtained. Next, pour activator (part A) 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 remixing insures complete reaction of epoxy coating. Kemiko Waterborne Low-VOC Epoxy Topcoat does not require induction time. Must be reduced with 15% (maximum) clean water before applying.

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

**Roller** — Lambswool or similar cover with phenolic core, ¼" - ⅜" 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, ⅜" 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.

**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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