



Epoxy &
Polyurethane
Manufacturing and
Research

TECHNICAL BULLETIN

KEMIKO® (STA-CRETE) SS1202 UVR 100% Solids Self Leveling Clear Top Coat

KEMIKO® Industrial Coating

Description

KEMIKO® SS1202 UVR is a 100% solids offering excellent ultraviolet resistance, low viscosity, 0-VOC, water clear epoxy coating. KEMIKO® SS1202 UVR has excellent chemical resistance, is designed to be used with color quartz and selected aggregate, is user friendly, and cures to a blush free, resilient high gloss film. KEMIKO® SS1202 UVR can be applied as a primer/finish on most interior cement floor surfaces. This product cures overnight and is available in two cure speeds. 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® SS1202 UVR may be applied as a topcoat to properly prepared concrete floors subject to continuous foot traffic, showroom floors, warehouse floors, food and chemical processing facilities, hospitals, kitchens, breweries, laboratories, gymnasiums garage floors and many other applications that require a high gloss resilient floor finish. The low viscosity mixture allows easy aggregate filling for slurry applications or aggregate broadcast systems for increased compressive strength and high impact service.

Physical Characteristics

Color	Clear Only
Volume Solids	100%
VOC	Calculated VOC 0 g/l
Packaging	0.8 & 5.03 gallons (premeasured kits)
Flash Point	>200°F
Gloss	High Gloss
Mix Ratio	2:1 (A:B) by volume
Pot Life (100 gm mass)	15 - 40 minutes at 70°F depending on cure selection
Dry Time	@70°F 50% RH Recoat in 4-24 hours. Dry for foot traffic in 6-24 hours depending on selected cure rate. Full cure in 3-days
Film Thickness	8-100 mils (double coats with or without aggregate)
Thinning	None Required. Acetone for clean up.
Primers	Self priming

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.



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Application Methods

Mixing –

Pour Hardener B into Resin A component and mix using mechanical jiffy mixer at slow speed for 2 minutes. Avoid mixing air into product. Scrape the container sides and bottom to make sure that all material is thoroughly mixed. Pouring mixed material into a clean container and re-mixing insures complete reaction of epoxy coating. The pot life will be shorter at higher temperatures. Pouring mixed material out of the container and onto the floor immediately will greatly extend working time.

Brush –

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

Roller –

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

Screed –

Use power trowel method to effectively spread mixed epoxy/aggregate and spread to a thickness of 1/16 inch thickness. Use a porcupine or spiked roller to feather new slurry into previously laid slurry.

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.

Service is part of our formula

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