



**Kemiko
Industrial
Coatings**

TECHNICAL BULLETIN

KEMIKO® (STA CRETE) SS3300 Clear 100% Solids Polyaspartic

Description

KEMIKO® SS3300 Clear is a 100% solids two component polyaspartic that exhibits excellent adhesion, UV resistance, abrasion resistance, chemical resistance, is 0-VOC and has rapid setting properties.* KEMIKO® 3300 may be used as a decorative or industrial environment basecoat and topcoat for exterior concrete and carbon steel substrates. KEMIKO® SS3300 Clear is low odor and utilizes the best available 100% solids polyaspartic technology for atmospheric and chemical exposure. 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® SS3300 Clear is applied to properly prepared and prime coated concrete and steel for use in food processing plants, water treatment facilities, warehouse and showroom floors, airport maintenance facilities, parking deck garages, chemical containment, exterior concrete and steel tanks, pipelines and many other service areas which require a resilient, chemical resistant, quick curing protective coating. KEMIKO® SS3300 Clear is applied by brush, roll or with the Graco Xtreme Mix or equal application equipment with mechanical plural dispensing equipment capable of maintaining a consistent 1:1 mix ratio.

Physical Characteristics

VOC	0 g/l
Hardness (ASTM D2240)	Shore D 80 fully cured (clear) Shore D 60 24 hour cure (clear)
Volume Solids	100%
Packaging	0.8 gal. and 4 gal. kits
Flash Point	>200°F.
Gloss	High Gloss
Mix Ratio	1:1 (A:B) by volume
Pot Life (0.8 gal mass)	**30-45 minutes at 70°F., 50% RH
Dry Time	@70°F., 50% RH 2-3-hrs to touch, recoat within 4-48 hours. 4-6 hrs cure for foot traffic 24-48 hrs for vehicular traffic depending on substrate temperature and humidity. 10-14 days for full chemical and physical properties depending on substrate temperature and humidity.
Film Thickness	***5-15 mils on horizontal substrates
Coverage	100-300 ft ² per gallon depending on requirements
Thinning	None required or recommended. Acetone for clean up.
Primers - Steel - Concrete	KEMIKO® SS3800 KEMIKO® SS1600, KEMIKO® SS3700, KEMIKO® SS3800
Colors	Clear, White, Gray and special colors
Topcoats	None required

* Test for specific applications.

** Application (pot life) will vary based on the amount of material, agitation, application temperature, moisture and other variables that are beyond the manufacturers control.

*** Cure time will be longer for thicker coatings.



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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 Blas-Trac for long term adhesion and achieving a 60-80 grit surface profile.

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.

Application Methods

Mechanical Spray –

KEMIKO® SS3300 is designed to be applied with mechanical plural component, proportioned application equipment. Material temperature should be maintained at 70°F. – 80°F. to produce a consistent flow through the mechanical pumping system. Airless Spray – Use Graco “Xtreme Mix” 68:1 equipment or equal designed for plural-component, high-pressure spray application. High-pressure equipment shall have the capability to apply product to a maximum 7500 psi from the proportioner to meet job conditions. Re-circulating system and solvent purge equipment is necessary to keep material maintained and spray equipment cleaned during application delays and/or periods when exceeding product pot life. Use Graco “Xtreme” spray gun utilizing .021-.025 spray tips to control material application thickness.

Hand Mixing & Application –

KEMIKO® SS3300 could be hand mixed and poured as long as the product temperature is at least 60°F. complete mixing is achieved within 2-minutes and immediately poured onto prepared surface. Use mechanical jiffy mixers to thoroughly mix material. Use ¼”- ½” nap quality roller covers and nylon bristle brushes.

Environment –

KEMIKO® SS3300 can be applied at substrate and environmental temperatures as low as 30°F. and as high as 100°F. and 5°F. above dew point providing the material temperature is maintained at ambient condition.

Safety –

CONTAINS POLYUREA/POLYURETHANE AND ISOCYANATE RESINS! DO NOT USE IF YOU HAVE AN ADVERSE REACTION TO THESE CHEMICALS!

Disclaimer –

Information provided in this technical bulletin is a guideline only based on laboratory testing. Customer needs to test the material for their application under their application conditions before using the product.

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