

Kemiko
Industrial
Coatings

TECHNICAL BULLETIN

KEMIKO® SS3200 Clear High Solids Polyaspartic

Description

KEMIKO® SS3200 Clear is a high solids, two component polyaspartic that exhibits excellent adhesion, UV resistance, abrasion resistance, chemical resistance, hot tire resistant, is <50 g/l - VOC and has rapid setting properties.*SS3200 Clear may be used as a decorative or industrial environment basecoat and topcoat for exterior concrete and carbon steel substrates. KEMIKO® SS3200 Clear is low odor and utilizes the best available high solids polyaspartic technology for atmospheric and chemical exposure.

Applications

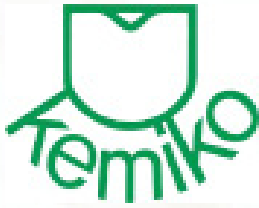
KEMIKO® SS3200 Clear is applied to properly prepared and prime coated concrete and steel for use in food processing plants, water treatment facilities, warehouse and showroom floors, airport maintenance facilities, parking deck garages, garage floors, chemical containment, exterior concrete and steel tanks, pipelines and many other service areas which require a resilient, chemical resistant, quick curing protective coating. KEMIKO® SS3200 Clear is applied by brush or roller (1/4" nap).

Physical Characteristics

VOC	Ultra-Low VOC, <50 g/l
Hardness (ASTM D2240)	Shore Hardness D 65 (fully cured)
Volume Solids	83.30%
Packaging	0.8 gal kit
Flash Point	>200°F.
Gloss	High Gloss (>90)
Mix Ratio	35:65 (A:B) by weight
Pot Life (0.8 gal mass)	*25-35 minutes at 70°F @ 50% RH
Dry Time	@70°F, 50% RH 1-2 hrs to touch, recoat within 3-24 hours. 3-4 hrs for foot traffic 5-7 hrs for vehicular traffic and forklift traffic depending on substrate temperature and humidity. 7-14 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 film thickness
Thinning	Not recommended
Primers - Concrete	KEMIKO® SS1600, KEMIKO® SS3700, KEMIKO® SS3800
Colors	Clear
Topcoats	None required
Shelf Life	One year in original, unopened factory containers, under normal storage conditions of 55 to 95°F

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

** Thicker the film, the longer it will take to cure. Do not exceed the recommended film thickness.



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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

Hand Mixing & Application –

KEMIKO® SS3200 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® SS3200 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!

PROPER VENTILATION EQUIPMENT SHOULD BE USED AT ALL TIMES WITH THE SS3200.

VAPORS CAN BE DANGEROUS.

DO NOT USE IN ENCLOSED AREAS WITH NO WINDOWS/DOORS TO ALLOW VAPORS TO ESCAPE.

USE OF PROPER RESPIRATOR IS HIGHLY RECOMMENDED.

TURN OFF ANY PILOT LIGHTS (WATER HEATERS) AND ANY SOURCE OF AUTO-IGNITION SOURCES.

DO NOT SMOKE AROUND THE COATING WHILE IT IS DRYING AND WHILE APPLYING.

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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