



Kemiko
Industrial
Coatings

TECHNICAL BULLETIN

KEMIKO® (STA CRETE) SS1120 High Solids Epoxy Moisture Vapor Barrier System

Description

KEMIKO® SS1120, formerly known as TRU-KOTE 100, is a two component polyamide amine cured epoxy, which is extremely surface tolerant. It can be used as an above or below grade vapor retarder place on the negative side of the concrete substrate.

Applications

KEMIKO® SS1120 is applied to properly prepared concrete walls and floors, masonry walls, exposed to damp conditions. KEMIKO® SS1120 has over 16-years successful case history in waterproofing and sealing above grade and below grade walls and floors. Typical applications include theme parks, commercial buildings, parking garages, water treatment facilities, and decorative flooring applications as an adhesive primer.

Physical Characteristics

VOC	<50 g/l Meets Final SCAQMD Rule 1113 (2008)
Hardness Shore D	78
Vapor Transmission	1.3 lbs/1000 sq/ft/24hrs ASTM F-1869
Adhesion	Excellent >700 lbs. PSI ASTM D-4541
Tensile Elongation	67.0%
Volume Solids	95%
Packaging	2s and 10s (premeasured kits)
Flash Point	>200°F.
Gloss	Medium Gloss
Mix Ratio	1:1 (A:B) by volume
Pot Life	30 minutes at 70°F., 50% RH
Dry Time	@70°F., 50% RH 6-8 hours recoat 3 days full cure
Film Thickness	2-3 coats @ 5-6 mils/coat, 10-15 mils total DFT
Coverage	250-300 ft ² per gallon - per coat
Thinning	None required, not advised
Primers	Self-priming
Colors	Various (see color chart)
Topcoats	KEMIKO® SS1202, STA CRETE® SS1500, KEMIKO® SS3300, KEMIKO® SS3500, KEMIKO® SS1600, KEMIKO® SS2700, KEMIKO® SS3700, KEMIKO® SS3800 KEMIKO® SS1600, SS2700, SS3700, SS3800 - must wait 2-3 days before applying top-coat



*Kemiko
Industrial
Coatings*

TECHNICAL BULLETIN

KEMIKO® (STA CRETE) SS1120 High Solids Epoxy Moisture Vapor Barrier System

Surface Preparation

Concrete & Masonry –

All visible oil, grease, sludge, and any other contaminants shall be removed prior to any abrasive surface preparation 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, Blas-Trac or other approved mechanical method to achieve a 60-80 grit profile for long term adhesion and non-slip surface on floors.

Repair all cracks, holes, and grout joints in an approved manner.

Wall & Surface Wetting –

In advance of the coating application to help allow for absorption of the applied material, spray water onto the surface to slightly dampen using a Hudson type sprayer.

Application Methods

Mixing –

Mix base component until a homogeneous mixture is obtained. Next, pour activator 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 re-mixing insures complete reaction of epoxy.

Brush –

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

Roller (Preferred Application) –

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

Spray –

Airless Spray – Use Graco “Hydra-Cat” 45:1 equipment or equal designed for plural-component, high-pressure spray application. High-pressure equipment shall have the capability to apply product to a maximum 2500 psi from the proportioner to meet job conditions. Recirculating 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.

Environment –

Apply between 60°F. – 100°F. and 5°F. above dewpoint.

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

Epmar Corporation

13210 Barton Circle, Santa Fe Springs, CA 90605-3254

Ph: 562.946.8781 / Fax: 562.944.9958

www.epmar.com