



Epoxy &
Polyurethane
Manufacturing and
Research

TECHNICAL BULLETIN

STA-CRETE® SS1301 Epoxy Patching Compound

Description

STA-CRETE® SS1301 is a white viscous, non-sag, fiber reinforced, chemical resistant 100% solids epoxy filler/surfacer that offers 0-VOC and has excellent adhesion. SS1301 is user friendly and cures to a resilient high abrasion resistant surfacer. This product can be applied as patching compound on most interior cement surfaces and steel substrates and top coated with most Sta-Crete or Kemiko products.

Applications

STA-CRETE® SS1301 is applied to properly prepared concrete floors and walls subject to continuous abrasion service, acid, alkali and solvent containment, food processing facilities, petrochemical refining, water and wastewater treatment facilities, metal plating, containment, and many other applications that require a high chemical resistant flooring system. STA-CRETE® SS1301 is used extensively in surface preparation of concrete tank walls for show aquariums in conjunction with SS1500. The mixed pot life allows easy aggregate filling for extended applications. SS1301 is also used as a tile bonding compound and filler for steel plate pits and crevices.

Performance

VOC	0 g/l
Hardness Shore D	85 (epoxy component)

Physical Characteristics

Volume Solids	100%
Packaging	1 ^s , 3 ^s & 15 ^s (premeasured kits)
Flash Point	>200 °F.
Gloss	Satin
Mix Ratio	2:1 (A:B) by volume.
Pot Life	45 minutes at 70°F, 50%RH
Dry Time	@70°F. 50% RH Recoat in 4-24 hours Full cure in 3 days.
Film Thickness	20-100 mils or 25 ft ² @1/16".
Thinning	None required. Acetone for clean-up.
Primers	Self priming
Colors	White Only

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 non-slip surface on floors.



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Surface Preparation Cont.

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

Mixing –

Mix Resin A component until a homogeneous mixture is obtained. Next, 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.

Trowel –

Use steel trowel, spatula or putty knife to apply product onto prepared surface. Work into substrate to desired thickness

Environment –

Apply between 50°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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