



## **STA-CRETE 3300**

*100% SOLIDS ALIPHATIC  
POLYUREA POLYURETHANE*

### ***Description***

**STA-CRETE 3300** is a 100% solids two component modified polyurea polyurethane cured with unique mixture of isophorone diisocyanates that exhibit excellent adhesion, UV resistance, abrasion resistance, chemical resistance, is 0-VOC and has rapid setting properties. STA-CRETE 3300 is typically specified as a decorative or industrial environment base coat and topcoating for exterior concrete and carbon steel substrates. STA-CRETE 3300 is non-yellowing, has no odor and utilizes the best available 100% solids polyurea/polyurethane technology for atmospheric and chemical exposure.

### ***Applications***

**STA-CRETE 3300** 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, Show Aquaria, Chemical Containment, exterior concrete and steel tanks, pipelines and many other service areas which require a resilient, flexible, chemical resistant, quick curing and UV stable protective coating. STA-CRETE 3300 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. STA-CRETE 3300 meets or exceeds USDA requirements for incidental food contact.

### ***Performance***

VOC – 0 g/l Meets Final SCAQMD Rule 1113 (2008)

ASTM D412 Tensile Strength = 3,500 psi

ASTM D142 Elongation = 15%

ASTM D624 Tear Strength = 350 psi

ASTM D790 Compressive Strength = 6700 psi, 9,500 psi (aggregate filled)

ASTM D695 Modulus of Elasticity = 15,800 psi

ASTM D2240 Hardness = 80-Shore D (Clear), 60-Shore D (Colors)

*AUTHORIZED DISTRIBUTOR*

**COHILLS BUILDING SPECIALTIES, INC.**

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## ***Physical Characteristics***

Volume Solids:	100%
Weight Per Gallon:	9.3 lbs. (MIXED)
Packaging:	2-GAL., 4-GAL. & 110-GAL. KITS
FlashPoint:	>200°F.
Gloss:	High Gloss
Mix Ratio:	1:1 (A:B) By Volume
Pot Life @ 70°F., 50% RH:	15-20 MINUTES (depending on color formulation)
Dry Time:	@ 70°F. 50% RH, 1-2-hours to touch, recoat within 2-48 hours. Cure for foot traffic between 3-6 hours, vehicular traffic 24-48 hours depending on environmental temperature and humidity. Full chemical and physical properties between 10-14 days.
Film Thickness:	5-15 mils – can be applied as thick as ¼” on horizontal substrates.
Coverage:	100-300 square feet per gallon depending on requirements.
Colors:	Clear, White, Gray and special colors.
Thinning:	None. Use Epmar #1, #2 or Acetone for clean up.
Primers (Steel):	Sta-Crete 47, Sta-Crete 2900, Sta-Crete 3200, Sta-Crete 3800 or ZRC.
Primers (Concrete):	Sta-Crete 1218, Sta-Crete 1600, Sta-Crete 2900, Sta-Crete 3200, Sta-Crete 3800
Topcoats:	None Required.

### **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** - Sta-Crete 3300 is designed to be applied with mechanical plural component, proportioned application equipment. Material temperature should be maintained at 70°F. – 80°F. to produce an assistant 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. 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. Use Graco “Xtrm” spray gun utilizing .021-.025 spray tips to control material application thickness.

**See Section 4 – Polyurea/Polyurethane Application for complete instructions.**

**Hand Mixing & Application** - Sta-Crete 3300 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** – Sta-Crete 3300 can be applied at substrate and environmental temperatures as low as 30°F. – and as high as 100°F. and 5°F. above dewpoint providing the material temperature is maintained at ambient condition.

**Safety** – CONTAINS POLYURETHANE AND ISOCYANATE RESINS! DO NOT USE IF YOU HAVE AN ADVERSE REACTION TO THESE CHEMICALS! **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.

5-31-06