

## TECHNICAL DATA SHEET

# SaniCrete STX

### PRODUCT DESCRIPTION

SaniCrete STX is an extremely heavy-duty polyurethane based cement with unsurpassed crack resistance and strength. STX incorporates a patented “twisted” stainless-steel wire strand that permanently locks the flooring system together. This technology, originally designed for earthquake-resistant structures provides durability and longevity that no other reinforcement can provide. SaniCrete STX is trowel or screed applied at a depth 3/8”. It provides a colored quartz textured surface with a non-slip matte finish. A variety of top coats are available to modify or enhance slip resistance, cleanability and chemical resistance.

### ADVANTAGES

- Unsurpassed crack resistance strength
- Superior impact and abrasion resistance
- Excellent chemical resistance
- Fast cure resulting in minimal down time
- Eco-friendly, zero VOC’s, taint free
- Stable to high pressure cleaning or continuous hot water up to 250° F
- Acceptable for use in USDA inspected facilities
- Extremely high bond strength
- Excellent non-slip coefficient in wet environments
- Modifiable surface texture
- Does not contain phthalates
- Available with permanent antimicrobial protection

### TYPICAL APPLICATIONS

- Freezers and Refrigerated Storage
- Meat, Fish and Poultry Processing Areas
- Wineries, Distilleries, Breweries and Beverage Filling
- Dairies – Milk Process Areas
- Bakeries
- Pharmaceutical Production
- Loading Docks and Heavy Duty Traffic and Plant Aisles
- Mezzanines

### COLORS

See SaniCrete Color Selection Guide

### TECHNICAL DATA (3/8” thickness)

Compressive Strength .....	8,000 psi
ASTM C 579	
Tensile Strength .....	2,350 psi
ASTM C 307	
Flexural Strength .....	3,800 psi
ASTM C 580	
Impact Resistance .....	No chipping, cracking
ASTM D 2794	or delaminating
Adhesion Strength.....	100% Concrete failure @ 400 psi
Service Temperature .....	-50°F - 250°F@ 3/8”
Abrasion Resistance.....	22 mg loss
ASTM D 4060 (CS-17 Wheel, 1000 gm load)	

### SURFACE PREPARATION

SaniCrete floor systems require a clean solid substrate free of oils, grease, wax, solvents, curing membranes and any other contaminants or coatings. Shotblasting/scarifying is recommended. Proper preparation of substrate is essential for maximum product adhesion.

### APPLICATION CONDITIONS

Throughout the application and curing process, substrate temperature should be between 40-85 degrees F.

### APPLICATION SUMMARY

Prepare the substrate properly per SaniCrete specifications. SaniCrete STX is a pre-measured four-component product. Thoroughly blend the contents of Part 1 (resin) and Part 2 (hardener) together. Slowly add Part 3 (aggregate) and STX pouch while continuing to mix. Blend for one minute or until a lump-free, smooth mix is obtained. Without delay, apply the material by simply pouring the material onto the substrate. Spread and level the material to the desired thickness by use of a hand trowel. Do not over trowel. Immediately, lightly finish roll the surface using a “texture” roller. This process will bring liquids to the surface while smoothing out any minor trowel marks or imperfections.

# SANICRETE

THE SANITARY SEAMLESS SOLUTION

Immediately broadcast SaniQuartz quartz sand to full rejection. Allow to cure, sweep excess sand.

## COVERAGE

15 sf per kit at 3/8"

## CURE SCHEDULE @ 70° F and R.H. 50%

Pot Life ..... 15 minutes  
Foot Traffic..... 4-6 hours  
Light Wheeled Traffic..... 8-10 hours  
Heavy Duty Service ..... 12-14 hours  
Full Cure ..... 2-3 days

## CLEANUP

Clean up application tools immediately after use. Use toluene or Xylene. Observe all fire and health precautions when handling or storing solvents. Wash hands with warm soapy water or hand cleaner.

## HEALTH AND SAFETY

Appropriate health and safety information can be found in the MSDS sheets for the components of this polymer flooring system.

## LIMITED WARRANTY

Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of the system/product. The seller or manufacturer with respect to the results of any use of the product makes no express warranty. NO IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO AN IMPLIED WARRANTY OF MERCHANTABILITY, OR AN IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE ARE MADE WITH RESPECT TO THIS SYSTEM/PRODUCT. Neither seller nor manufacturer assumes any liability for personal injury, loss or damage resulting from the use of this product. In the event that the product shall prove defective, buyer's exclusive remedy shall be as follows:

Seller or manufacturer shall, upon written request of buyer replace any quantity of the system/product which is proven to be defective or shall at its option; refund the purchase price for the system/product upon return of the system/product.

## CHEMICAL RESISTANCE

The following list of chemicals will not deteriorate SaniCrete flooring at a service temperature of 70° F provided that the spillages are washed down within 48 hours. Where volatile aggressive solvents are included, it is assumed that the spillage will either evaporate or be washed down within 1 hour.

Acetone .....	OK
Acetic Acid 25% .....	OK
Alcohol (beer, wine, whiskey, white spirit) .....	OK
Aluminum Sulphate 50% .....	OK
Ammonium Chloride 40% .....	OK
Ammonium Sulphate 50% .....	OK
Brine (saturated) .....	OK
Citric Acid 60% .....	OK
Diesel Oil .....	OK
Ethylene Glycol .....	OK
Fats, Oils & Sugars .....	OK
Formic Acid 50% .....	OK
Gasoline, Diesel & Kerosene .....	OK
Grape Juice .....	OK
Hydrochloric Acid 36% .....	OK
Hydrogen Peroxide 20% .....	OK
Lactic Acid (Milk) .....	OK
Mineral Oil .....	OK
Nitric Acid (<10%) .....	OK
Nitric Acid (<30%) .....	Slight Staining
Potassium Hydroxide Solution 50% .....	OK
Sodium Hydroxide (<50%) .....	OK
Sulfuric Acid 20% .....	Slight Staining
Turpentine .....	OK
Toluene .....	OK
Xylene .....	OK

Some chemicals may stain or discolor SaniCrete flooring without causing any physical deterioration or loss of properties.