

## TECHNICAL DATA SHEET

# SaniCrete HF

### PRODUCT DESCRIPTION

SaniCrete HF is a heavy duty, trowel applied urethane cement mortar system. HF is designed for fast track one step installations. It provides excellent resistance to abrasion, impact and chemical attack. HF will provide superior performance against thermal shock stresses like hot water and daily stream cleaning. It naturally provides an easily cleaned, permanent, lightly textured surface. SaniCrete HF is typically installed a 3/8". The surface texture can be modified to increase or decrease slip resistance.

### ADVANTAGES

- Good chemical resistance
- High abrasion and impact resistance
- Fast cure resulting in minimal down time
- Eco-friendly, zero VOC's, taint free
- Unaffected by freeze/thaw cycles
- Stable to high pressure cleaning or continuous hot water up to 250° F
- Acceptable for use in USDA inspected facilities
- High bond strength
- Does not contain phthalates
- Available with permanent antimicrobial protection

### TYPICAL APPLICATIONS

- Dairies
- Pulp and Paper
- Bottling Plants
- Heavy Duty Manufacturing
- Battery Charging Areas
- Loading Docks
- Heavy Duty Traffic and Plant Aisles
- Floor Patching/Repairs
- Ramps

### COLORS

Red and Gray are standard. Other colors available

### TECHNICAL DATA (3/8")

Compressive Strength .....	8,500 psi
ASTM C 579	
Tensile Strength .....	1,250psi
ASTM C 307	
Flexural Strength .....	2,150 psi
ASTM C 580	
Impact Resistance .....	No chipping, cracking or delaminating
ASTM D 2794	
Adhesion Strength.....	100% Concrete failure @ 400 psi
Service Temperature .....	-50°F - 250°F @3/8"
Abrasion Resistance.....	...70 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 HF is a pre-measured three-component product. Thoroughly blend the contents of Part 1 (resin) and Part 2 (hardener) together. Slowly add Part 3 (aggregate) while continuing to mix. Scrape down the sides of the container to ensure complete mixing. Blend for one minute or until a lump-free, consistent mix is obtained. Without delay, apply the material by simply dumping the material onto the substrate. Spread and level the material to the desired thickness by use of a hand trowel.

# SANICRETE

THE SANITARY SEAMLESS SOLUTION

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. Do not over roll the surface as it will become smoother as you roll. Join kits without delay as to avoid a visible seam. Join up time is approximately 15 minutes at 70 deg. F.

## COVERAGE

14 sf per kit at 3/8"

## CURE SCHEDULE @ 70° F and R.H. 50%

Pot Life .....	15 minutes
Foot Traffic.....	8-10 hours
Light Wheeled Traffic.....	12-14 hours
Heavy Duty Service .....	16-18 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.