

## TECHNICAL DATA SHEET

# SaniCrete MD

### PRODUCT DESCRIPTION

SaniCrete MD is a self-leveling, medium duty flooring system based on polyurethane cement technology. It provides a smooth surface with a satin finish, ideal for dry processing areas. SaniCrete MD can also be broadcasted with colored quartz for enhanced slip and abrasion resistance. MD is trowel, screed or pin rake applied at a depth of 1/8" to 1/4". It will tolerate thermal shock and a wide range of abrasion impact, chemical attack. MD is not UV stable, it will discolor over time. A quartz broadcast will help minimize UV degradation.

### ADVANTAGES

- Good impact and abrasion resistance
- Good chemical resistance
- Fast cure resulting in minimal down time
- Eco-friendly, zero VOC's, taint free
- Thermal shock resistant
- Stable to high pressure cleaning or continuous hot water up to 200° F
- Acceptable for use in USDA inspected facilities
- Extremely high bond strength
- Easy to clean surface
- Does not contain phthalates
- Available with permanent antimicrobial protection

### TYPICAL APPLICATIONS

- Clean Rooms
- Powder Production Areas
- Sugar Processing Plants
- Pharmaceutical Plants
- Dry Processing Areas
- Bakeries
- Laboratories
- Printing Facilities

### COLORS

Red, Gray, Charcoal, Green. Other colors available upon request.

### TECHNICAL DATA

Compressive Strength .....	6,800 psi
ASTM C 579	
Tensile Strength .....	1,950 psi
ASTM C 307	
Flexural Strength .....	3,150 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 - 200°F @ 1/4"
Abrasions Resistance.....	29 mg loss
ASTM D 4060 (CS-17 Wheel, 1000 gm load)	

### SURFACE PREPARATION

SaniCrete MD floor systems require a clean solid substrate free of oils, grease, wax, solvents, curing membranes and any other contaminants or coatings. Shotblasting/scarfing 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. A scratch coat of SaniCrete PC is recommended (but not required) to minimize concrete out-gassing which may cause surface defects. SaniCrete MD is a pre-measured three-component product. Thoroughly blend the contents of Part 1 (resin) and Part 2 (hardener) together **(2 bottles of part 1 and 2 bottles of part 2)**. Slowly add Part 3 (aggregate) while continuing to mix. Blend for one minute or until a lump-free, smooth mix is obtained.

# SANICRETE

THE SANITARY SEAMLESS SOLUTION

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 trowel or screed system. Immediately, lightly finish roll the surface using a "texture" roller or "spiked" roller. This process will de-aerate while smoothing out any minor trowel marks or imperfections.

## COVERAGE

25 sf per kit at 3/16"  
18 sf per kit at 1/4"

## 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.