

## TECHNICAL DATA SHEET

# SaniCrete VR

### PRODUCT DESCRIPTION

SaniCrete VR (Vertical Resin) is composed of water dispersed polyurethane resin combined with very fine graded silica aggregate and cement. It is designed specifically to form a seamless transition between the floor and wall, great for wash down areas. VR is hand trowel applied. It is resistant to abrasion, light impact, chemical attack, thermal shock and other physical aggression. VR can also be used to protect drainage systems, containment pits, curbs and wall finishes.

### ADVANTAGES

- Good impact and abrasion resistance
- Eco-friendly, zero VOC's, taint free
- Unaffected by freeze/thaw cycles
- Superior for extreme hygiene sterile process areas
- Sanitary protection between floor and wall transitions
- Stable to high pressure cleaning or continuous hot water up to 235° F
- Acceptable in USDA inspected facilities
- Does not contain phthalates
- Available with permanent antimicrobial protection

### TYPICAL APPLICATIONS

- Preparation, Production, Wash Down Areas
- Chemical Processing
- Dairies
- Wineries Distilleries and Breweries
- Secondary Containment Areas
- Commercial Kitchens
- Freezers and Refrigerated Storage
- Knee Wall, Concrete Curb Protection
- Walls
- Anywhere a seamless, sanitary floor to wall transition is required.

### COLORS

Red and Gray are standard. Other colors available

### PHYSICAL PROPERTIES (1/4" thickness)

Compressive Strength.....	7,000 psi
ASTM C 579	
Tensile Strength.....	1,000 psi
ASTM C 307	
Flexural Strength .....	2,050 psi
ASTM C 580	
Impact Resistance.....	No chipping, cracking or delaminating
ASTM D 2794	
Coefficient of Thermal Expansion.....	1.1 x 10 <sub>5</sub> /F
ASTM C 531	
Abrasion Resistance.....	25 mg loss
ASTM D 4060	
Adhesion Strength .....	300 psi
ASTM D 4060	100% concrete failure

### SURFACE PREPARATION

SaniCrete VR wall/cove systems require a porous clean substrate free of oils, grease, wax, solvents, curing membranes and any other contaminants. 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 VR 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 (Do not dump). Blend for 1 minute or until a lump-free, consistent mix is obtained. Scrape down the sides of the container to ensure complete mixing.

# SANICRETE

THE SANITARY SEAMLESS SOLUTION

Without delay, apply the mix by scooping it out and roughly placing it in the areas to be installed. Do not let material sit in the mixing bucket as this will significantly reduce pot life. Depending on your application, finish VR by use of a cove trowel, margin trowel or standard cement trowel. Pack and smooth the material with the trowel. While the material is still workable, a gentle brushing with a very lightly dampened Xylene (Xylol) brush will help close up any surface voids. Do not over saturate as it will color bleed.

## COVERAGE

18-20 sf per kit at 1/8"

## CURE SCHEDULE @ 70° F and R.H. 50%

Pot Life .....	15 minutes
Light Impact .....	8-10 hours
Heavy Duty Service .....	12-14 hours
Full Cure .....	2-3 days

## CLEANUP

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

## 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.