

## TECHNICAL DATA SHEET

# SaniBulk

### PRODUCT DESCRIPTION

SaniBulk is a one-component, quick hardening cement. It is used for sloping, leveling or resurfacing concrete floors where high early strength gain is required. SaniBulk is specially formulated to allow for fast-track SaniCrete flooring installations.

### ADVANTAGES

- Fast track application
- Very rapid setting, light traffic in 1 hour under normal ambient conditions
- SaniCrete installations in as little as 4 hours
- Single component
- No primer required
- Shrinkage compensated
- Protein free – will not harbor bacteria
- Non gypsum based
- Excellent resistance to freeze/thaw cycles

### TYPICAL APPLICATIONS

- Horizontal structural repairs
- Resurfacing and leveling
- Ramps
- Interior or exterior
- Freezers and refrigerated storage

### SYSTEM SPECIFICATION

Typical application of SaniBulk is 1/2" to 6". The system is comprised of cement, water and proprietary ingredients. Ideal application conditions are between 40°F to 80°F. SaniBulk can be applied to concrete and properly supported wood floors.

### APPLICATION CONDITIONS

For use in cold temperatures, SaniBulk must be maintained at a temperature of at least 40°F. In hot temperatures, SaniBulk should be kept as cool as possible, but not exceeding 90°F. Ice cold water should be used for mixing to help maintain sufficient working time. Minimum ambient temperature should be 40 deg. F.

### COLOR

Natural cement color - grayish brown

### TECHNICAL DATA

(2" Cubes, no aggregate extension. 73 deg. F)

Compressive Strength	
ASTM C 109	
1 hour	2,000 psi
2 hours	3,000 psi
1 day	6,500 psi
28 days	8,000 psi
Tensile Strength	
ASTM C 496	
1 day	400 psi
28 days	450 psi
Flexural Strength	
ASTM C 348	
1 day	700 psi
28 days	850 psi
Freeze/thaw resistance, % RDM	
At 300 cycles	
ASTM C 666, (procedure A)	100

### SURFACE PREPARATION

SaniCrete SL floor systems requires 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. Concrete surfaces should be saturated with clean water. Ensure concrete surface is damp with NO standing water prior to application.

### APPLICATION SUMMARY

Mechanically mix in an appropriately sized mixer. Add 5 pints of water to the mixing container per bag of SaniBulk. If required, add the appropriate amount of aggregate to the mixer (see "Extension" below). Add the powder to the water while continuing to mix. Allow to mix for 3 minutes or until completely homogeneous. Do not mix for more than 5 minutes.

## EXTENSION

1. For repairs 2"-4" in depth add 15-25lbs of washed, graded, rounded pebble per bag of SaniBulk.
2. For repairs 4" or more in depth, at 25-50lbs of washed, graded, rounded pebble per bag of SaniBulk. Do not exceed 50% extension by weight.

Apply the mixed material without delay onto the saturated surface-dry substrate (SSD). Minimum thickness is  $\frac{1}{2}$ ". Smooth with a cement trowel. Do not overwork. A maximum of 15 minutes should be allowed to mix, place and finish at 70 deg. F. and R.H. 50%

## CLEANUP

Clean up mixing and application equipment immediately after use. Use warm soapy water.

## CURE SCHEDULE and TOP COATING

	40°F	70°F
Working Time	12 min.	8 min.
Foot traffic	4-6 hours	1-2 hours
Full traffic	24 hours	12 hours

Topping: SaniBulk can be top coated with SaniCrete when it reaches 2,000 psi or more. As a general rule of thumb, if you can easily groove the surface with a screwdriver, it is too soft for SaniCrete. If you can only scratch the surface, the SaniBulk is likely at 2,000 psi. (See Technical Data)

## HEALTH AND SAFETY

Appropriate health and safety information can be found in the MSDS sheets. Do not breathe dust. Contains a small amount of free respirable quartz which is listed as a potential carcinogen by NTP and IARC. Contains Portland cement, silica, crystalline quartz, alumina cement, anhydrite, fly ash, calcium sulfate, silica, amorphous and iron oxide. Avoid contact with skin, product is alkaline on contact and may cause burning or irritation.

## LIMITATIONS

- Never exceed the water content that will cause segregation.
- Temperature of surfaces must be between 40 deg. F and 80 deg. at time of placement.
- Substrate shall be free of frost and ice.
- Placed SaniBulk shall be protected from freezing until it reaches 2000 psi.

- Placement shall be continuous to avoid cold joints.
- Minimum ambient and surface temperatures 40 deg. F. and rising.
- Minimum application thickness  $\frac{1}{2}$ " as a mortar and 1" extended with aggregate.
- Maximum application thickness 1" as a mortar and 6" extended with aggregate.
- Do not feather edge
- Do not exceed 7" slump when extended.
- Variations in aggregates may produce differences in strengths from the typical values stated in SaniCrete's Technical Data.

## COVERAGE RATES (Depth)

$\frac{1}{2}$ "	11 SF per bag
$\frac{3}{4}$ "	10 SF per bag
1"	8 SF per bag
1.5"	5 SF per bag
2"	3.5 SF per bag
2.5"	3 SF per bag

Note: All coverage rates over 1" include 50% aggregate extension (see "Extension").

## 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.