

# SS Repel Block WB-75



## Technical Data Sheet [04/10/15]

### WATER BASED SILOXANE/SILANE WATER REPELLENT

#### PRODUCT DESCRIPTION

SS Repel Block WB-75 is a 7.5% active water-based siloxane/silane water repellent and impregnating agent for porous masonry surfaces such as concrete, block, brick, and unglazed tile. SS Repel Block WB-75 will penetrate and chemically bond deep within the substrate to provide long lasting protection against deterioration or staining due to water conditions. SS Repel Block WB-75 will not impair the natural breathing characteristics of treated substrates, nor will it produce a film. SS Repel Block WB-75 will help concrete and masonry surfaces to resist common issues such as cracking, efflorescence, spalling, staining, and other damages caused by intrusion of water.

#### BENEFITS AND FEATURES

- Deeply penetrating porous surfaces, it provides superior water repellency, while allowing surface to breathe.
- Provides excellent resistance to mold, mildew, and fungus.
- Containing zero VOC's and being solvent free allow for safe application in occupied buildings.
- Contains 0g/l VOC content making this product legal for sale to all regions of the U.S. and Canada.
- Superior efflorescence and strong alkali resistance compared to common solvent based acrylic sealers.

#### RECOMMENDED APPLICATIONS

SS Repel Block WB-75 is recommended for interior and exterior, horizontal or vertical, porous masonry and concrete surfaces where a deep penetrating, water based water repellent is specified.

#### TECHNICAL INFORMATION

Solids .....	7.5% +/- 1%
Drying Time .....	1–2 hours
Re-Coat Time.....	See instructions
Foot Traffic.....	8–12 hours
Heavy Traffic.....	24–48 hours
Application Temperature .....	50°F–80°F
Wet Appearance .....	Milky White
Dry Appearance .....	Clear and Invisible
VOC Content .....	0 g/l
Blush Resistance .....	Good
Alkalinity Resistance.....	Excellent
Concrete Adhesion .....	Excellent

*Testing in accordance with procedures outlines in EPA Method 24, "Volatile Organic Content VOC of Paints and Related Coatings". The solids content was determined in accordance with ASTM D 5095 and the VOC was calculated in accordance with ASTM D 3960.*

*Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.*

#### SPECIFICATIONS/COMPLIANCES

Dried coating is USDA accepted.

Meets OTC, CARB, LADCOC and SCAQMD VOC restrictions.

#### APPROXIMATE COVERAGE RATES

APPLICATION SURFACE	FIRST COAT	SECOND COAT
New or old (unsealed) concrete	100–300 ft <sup>2</sup>	100–300 ft <sup>2</sup>

Coverage rates vary depending upon surface porosity and texture, and application method. Follow directions for best results.

#### INSTRUCTION FOR USE

**SURFACE PREPARATION:** Prior to surface preparation, protect people, property, automobiles, plants and any other non-masonry surfaces and objects from the material, wind drift, and splash, residue, and fumes of the material. Protecting and diverting pedestrians and automobile traffic is also recommended.

Proper surface preparation is highly important. Use the proper cleaning detergent for the substrate at hand. It is recommended that SS Repel Block WB-75 be applied on a clean, visibly dry and absorbent surface, although it may be ok to apply on a slightly damp surface as well. Please note that excessive moisture inhibits good penetration, which can reduce the life and performance of the coating. Newly constructed and repainted substrates should be fully cleaned and cured 28 days prior to application. Always test for compatibility!

The temperatures of the air and the surface are very pertinent aspects of applying any coating and are no exception here. The minimum temperature of the air and the surface must be at least 40°F during application and for at least 8 hours after. If freezing conditions exist prior to application, it is highly recommended that the substrate be allowed to fully thaw. Should this recommendation not be followed, the product may not yield adequate protective properties. Air and surface temperatures should never exceed 80°F.

**MIXING:** Stir well before using. Material may separate during long term storage.

**APPLICATION:** Proper equipment should be used when applying SS Repel Block WB-75. A brush, roller, or low pressure sprayer should be used to apply. If using a sprayer, be sure the psi is no greater than 20. Set the sprayer to achieve a good, wet stream, avoiding atomization of the product. Be sure that any container used for mixing or material handling is clean, free of any debris, and uncontaminated. Before applying material, please read the entire Technical Data Sheet and be sure to follow all the precautions listed below. Always test any substrate before overall application to ensure desired results. Please test using the following application instructions. Also, let the test area dry completely before final inspection and approval.

**HORIZONTAL APPLICATION INSTRUCTIONS:** By roller, apply SS Repel Block WB-75 at a rate of 100–300 square feet per gallon depending upon surface type and porosity. Broom out puddles until surface is penetrated. Reapply a second coat. Less material may be sufficient for a second coat. Once again, broom out any puddles until material has penetrated. This is a "wet-on-wet" application. Coated surfaces should dry to touch in approximately one hour. The coated substrate should be protected from weathering conditions for at least 8 hours after application. A neutral pH surface may need several days to achieve full water repellency.

**VERTICAL APPLICATION INSTRUCTIONS:** For best results, apply SS Repel Block WB-75 "wet-on-wet" at a rate of 100–300 square feet per gallon depending upon surface type and porosity, to a dry and absorbent surface. When using a sprayer, saturate from the bottom up while applying enough material for a 4"–8" rundown below the spray contact point. Let the first application penetrate the substrate for at least 5–10 minutes. Reapply the material; less material will be needed for the second application. When using a brush or roller, saturate the surface uniformly, allowing SS Repel Block WB-75 to penetrate for 5–10 minutes. Brush out heavy runs and drips that show signs of no penetration. The second coat is recommended for maximum protection.

**PLEASE NOTE:** It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc. If applying by spray method,

*extended coverage rates may be achieved, but be aware that less material will be applied and inadequate film formation or performance expectations may be limited.*

## CLEAN UP

Cleanup tools, equipment, and any surface or object affected by overspray with soap and warm water. Dispose of containers in accordance with local and federal regulations.

## PRODUCT REMOVAL

Coating deeply penetrates surface. Removal is not recommended.

## SHELF LIFE

SS Repel Block WB-75 has a shelf life of one year in it's original, sealed, unopened container.

## PACKAGING

SS Repel Block WB-75 is packaged and stocked in 1 and 5 gallon pails. (Also available in 55 gallon drums)

## PRECAUTIONS AND LIMITATIONS

- This product will freeze during storage. Store at temperatures about 40°F. Do not allow to freeze!
- All HVAC ventilation ducts should be blocked prior to application so fumes are not distributed.
- Do not allow this product to be subjected to any form of rain or moisture for 18–24 hours after application.
- It is not recommended to apply product over carpet, tile or other types of floor adhesives.
- This products performs best when applied as one or two medium–light coats, not one heavy coat.
- SS Repel Block WB-75 was designed for a water repellent on porous surfaces. It is not intended as a decorative top coat.

- Please know that it may take up to 72 hours for this product to obtains its full water repellency properties.
- It is not recommended to thin product. Thinning causes sealer to delaminate in a short time frame.
- This product may darken the surface of a new and existing concrete slab. Test prior to use.
- Adhesion of cementations coatings, stucco, plaster, etc may be adversely affected.
- Approved respirator is required. See SDS for more information.
- This product will not keep water out of cracks, defects, or open joints.
- The statements made within this Technical Data Sheet, SDS, product labels, etc are guidelines only. The end user should always perform tests and product evaluations prior to application to ensure suitability for particular uses.

## SPECIAL NOTES

Please consult Safety Data Sheet (SDS) and read Warranty information prior to use. This information can be requested by contacting customer service at 866-906-2006.

## WARRANTY

SS Specialties warrants our products to be of good quality, free of defects and will conform to our published specification in force on the date of acceptance of the order. As the exclusive remedy for breach of this warranty, SS Specialties will replace defective materials ninety days after SS Specialties has shipped the product, all our warranty and other duties with respect to the quality of materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates, and no action for breach of any said duties may thereafter be commenced. No warranty is expressed or implied as to the length of life of this product or merchantability or fitness. Liability, if any is limited to the purchase price of the material under no circumstances will SS Specialties be liable for a consequential damage to any in excess of the purchase price of their product.

