

# SPEC SHIELD WB



Silane-Siloxane water-based penetrating water repellent

## DESCRIPTION

SPEC SHIELD WB is a 100% reactive, waterborne silane-siloxane sealer. This clear, penetrating, breathable water repellent is designed for use on horizontal/vertical, interior/exterior, above grade concrete or concrete block. SPEC SHIELD WB penetrates the surface and bonds directly with the substrate, which results in a surface that is highly resistant to both moisture and salt attack. SPEC SHIELD WB helps protect concrete and concrete block, decks, pavements, parking structures, ramps, bridges, marine platforms etc. against the corrosive effects of de-icing salts, moisture and weathering to prevent spalling and deterioration of concrete structures.

## FEATURES/BENEFITS

- Provides excellent chloride screen
- Excellent water repellency while maintaining breathability
- Actual VOC = 0 grams/liter
- Reduces the effects of freeze-thaw cycling and weathering on vertical/horizontal concrete structures
- Long-lasting protections for new as well as old concrete surfaces
- Dries tack-free and skid-resistant
- Water-based, colorless and non-yellowing

## APPLICATION

**EQUIPMENT:** Spraying with a low pressure, non-atomizing sprayer is highly recommended.

**COVERAGE RATE:**

Average rate is determined by surface porosity:

Porous surfaces:	150-200 ft <sup>2</sup> /gal
Light Broom finish:	200-300 ft <sup>2</sup> /gal
Smooth/Medium trowel	300-400 ft <sup>2</sup> /gal
Dense/Burnished concrete:	400-800 ft <sup>2</sup> /gal

A test area is recommended to determine actual coverage rates

**NEW CONCRETE:** Surface should be dry, well cured (14 day minimum) using water, wet burlap, polyethylene curing paper, or dissipating resin-based curing compound. Surface must be free of all moisture, curing residue, dust, debris, oil and other contaminants to allow penetration. Substrates must be absorptive to allow penetration of the SPEC SHIELD WB. All joint sealant, caulks and patching should be in place before applying.

**HORIZONTAL SURFACES:** Generously apply using a low pressure sprayer (airless sprayer 10 to 20 psi), Broom or squeegee out any puddles or free standing material. Do not backroll. Adjust application rate on very porous surfaces. **Application should follow a wet-on wet method. Do not allow excess to dry on the surface.**

## APPLICATION (con't)

**OLD CONCRETE AND MASONRY:** Remove any previously applied sealers, dust, dirt, tar, oil, etc. with pressure wash and SpecChem Orange Peel citrus cleaner or use other appropriate measures to properly prepare the substrate. Membranes of any kind must be removed. Substrates must be dry and absorptive to allow penetration of the SPEC SHIELD WB.

## PACKAGING

55 gallon drums/ 5 gallon pails

## TECHNICAL DATA

Type:	Organofunctional siloxane and silane
Flash Point:	Greater than 200°F
Shelf Life:	24 months
Color:	Water clear
Resistance to UV rays:	Excellent
ASTM C672 (ILDOT mod.)	0.61 (max allowed 0.80)

## LIMITATIONS/PRECAUTIONS

Not suitable for brick or asphaltic surfaces. Protect glass, metal and other non-masonry surfaces from over spray.

Do not use if air, product or surface temperatures are below 40°F (4°C) or above 100°F (40°C).

Substrate must be completely dry or whitening may occur. Do not use over a curing membrane. Initial reaction will be in 16 to 24 hours. Treated areas may be returned to service once product has penetrated and surface is dry. **Do not over apply.**

Substrates should be saturated with material, but puddling should be avoided. Do not apply if precipitation is expected within eight hours, or if rain has preceded the application in the past 12 hours.

SPEC SHIELD WB is not formulated for below grade waterproofing. Not effective for some stone surfaces. Over-application may cause a slight darkening of the surface or leave a white residue on the surface.



1511 Baltimore Ave, Suite 600  
Kansas City, MO 64108

www.specchemllc.com 866.791.8700

## LIMITATIONS/PRECAUTIONS

Do not apply in high winds. Do not dilute.

Wear protective gloves and goggles. Avoid prolonged skin contact. Allow NO contact with food stuffs. Please refer to the safety data sheet (SDS) for more detail.

## SHELF LIFE

Containers are to be sealed and stored in a clean, dry area between 45-85°F (6-29°C). Keep from freezing. Shelf life is two years in unopened containers.

## TECHNICAL SERVICES

For assistance, contact technical services at:  
866-791-8700 816-968-5600  
[www.specchem.com](http://www.specchem.com)

## WARRANTY

### NOTICE-READ CAREFULLY CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

### WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

### INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.



1511 Baltimore Ave, Suite 600  
Kansas City, MO 64108  
[www.specchemllc.com](http://www.specchemllc.com) 866.791.8700