# TECHNICAL DATA SHEET

# SpecShield SB

*Solvent-Based Silane-Siloxane Penetrating Water Repellent*

## DESCRIPTION

SpecShield SB is a 100% reactive, solvent-borne silane-siloxane sealer. This clear, penetrating, breathable water repellent is designed for horizontal/vertical, interior/exterior, above-grade concrete or masonry surfaces. SpecShield SB penetrates the surface and bonds directly with the substrate, resulting in a surface that is highly resistant to both moisture and salt attack.

SpecShield SB helps protect concrete and masonry surfaces, decks, pavements, parking structures, ramps, bridges, marine platforms and similar structures against the corrosive effects of deicing salts, moisture and weathering, preventing spalling and deterioration of concrete structures.

## BENEFITS

- Provides an excellent chloride screen
- Excellent water repellency while maintaining breathability
- VOC: 735 g/L
- Reduces the effects of freeze-thaw cycling and weathering on vertical/horizontal concrete structures
- Long-lasting protection for new and old concrete surfaces
- Dries quickly, tack-free and skid-resistant
- Colorless and non-yellowing

## APPLICATION

**Equipment:** A low-pressure, non-atomizing sprayer is highly recommended.

**Coverage Rate**

Average rate is determined by surface porosity:

Porous surfaces..... 150–200 sq ft/gal (3.7–4.9 $m^2$/L)

Light broom finish..... 200–300 sq ft/gal (4.9–7.4 $m^2$/L)

Smooth/medium trowel ..... 300–400 sq ft/gal (7.4–9.8 $m^2$/L)

Dense/burnished concrete 400–800 sq ft/gal (9.8–19.6 $m^2$/L)

*A test area is recommended to determine actual coverage rates.*

**New Concrete:** The surface should be dry and well cured (14-day minimum) using water, wet burlap, polyethylene, curing paper, SpecChem E-Cure or SpecRez dissipating resin-based curing compound. The surface must be free of all moisture, curing residue, dust, debris, oil and other contaminants, and must be absorptive to allow penetration of SpecShield SB. All joint sealants, caulks and patching should be in place before application.

**Old Concrete and Masonry:** Remove any previously applied sealers, dust, dirt, tar, oil, etc. with a 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 SpecShield SB.

**Horizontal Surfaces:** Apply generously with a low-pressure sprayer (airless sprayer, 10–20 psi / 0.07–0.14 MPa). Broom or squeegee out any puddles or free-standing material. Do not backroll. Adjust the application rate on very porous surfaces. Apply wet-on-wet, and do not allow excess material to dry on the surface.

## TECHNICAL DATA INFORMATION

Type..... Organofunctional siloxane and silane

Flash point..... > 100 °F (38 °C)

Shelf life..... 24 months

Color..... Water clear

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UV resistance ..... Excellent

## PACKAGING

55 gal (208 L) drum; 5 gal (18.9 L) pail

## SHELF LIFE

Keep containers sealed and store in a clean, dry area between 45 °F and 85 °F (7–29 °C). Shelf life is two years in unopened containers.

## LIMITATIONS

COMBUSTIBLE MIXTURE! KEEP AWAY FROM OPEN FLAME.

Not suitable for asphaltic surfaces. Protect glass, metal and other non-masonry surfaces from overspray. Do not use if air, product or surface temperatures are below 40 °F (4 °C) or above 100 °F (38 °C). The substrate must be completely dry or whitening may occur. Do not use over a curing membrane. Initial reaction occurs in 16–24 hours. Treated areas may be returned to service once the product has penetrated and the surface is dry. Do not overapply.

Substrates should be saturated with material, but puddling should be avoided. Do not apply if precipitation is expected within 8 hours, or if rain has fallen in the 12 hours before application. SpecShield SB is not formulated for below-grade waterproofing and is not effective on some stone surfaces. Overapplication may cause slight darkening of the surface or leave a white residue. Do not apply in high winds. Do not dilute.

Wear protective gloves and goggles. Avoid prolonged skin contact. Allow NO contact with foodstuffs. Refer to the Safety Data Sheet (SDS) for more detail.

DO NOT EXPOSE TO OR APPLY NEAR FIRE OR FLAMES. FOR WELL-VENTILATED OR EXTERIOR USE ONLY.

## TECHNICAL SERVICES

For assistance, contact Technical Services at 866-791-8700 or 816-968-5600.

## 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.

*Revised 09/30/26*