



**SUREBOND**  
PROTECTION THAT PAYS

**SB-4400**  
PERMA-SEAL®  
INVISIBLE PENETRATING  
SEALER

## SUREBOND SEALERS

## TECHNICAL DATA SHEET

### PRODUCT DESCRIPTION:

**SB-4400 Perma-Seal®** is a solvent-based silane/siloxane invisible penetrating sealer. It is recommended for outdoor use, on old and new, horizontal or vertical surfaces. SB-4400 can be applied immediately after most surface installations, as it is breathable and will not trap naturally occurring moisture or efflorescence. On new concrete, SB-4400 should be applied once concrete is fully cured (30 days after installation). SB-4400 protects surfaces from water penetration and salt damage from the use of de-icers or exposure to salt air. Due to its superior water repellency, SB-4400 helps to reduce biological growth such as mold, moss and algae. SB-4400 has the consistency of water, is clear when applied and dries transparent on most surfaces. Some surfaces may darken slightly. Cured sealer is freeze resistant to -60°F (-51°C) and is stable up to a temperature of 180°F (82°C).

FEATURES	BENEFITS
<b>Chemically Bonded Protection</b>	<ul style="list-style-type: none"><li>• Deep Surface Penetrating</li><li>• Superior Longevity &amp; Durability</li></ul>
<b>Silane/Siloxane Solvent-Based Blend</b>	<ul style="list-style-type: none"><li>• Excellent Water Repellency</li><li>• Safe Guards Surface from Salt Attack</li></ul>
<b>Non-Film Forming with Transparent Finish</b>	<ul style="list-style-type: none"><li>• Does Not Alter the Appearance of Most Surfaces</li></ul>
<b>Breathable, Immediate Application</b>	<ul style="list-style-type: none"><li>• Does Not Trap Moisture or Efflorescence</li></ul>

### SUITABLE SURFACES:

Suitable for concrete and clay pavers, flat and stamped concrete, masonry, segmental retaining wall blocks, concrete walls and exposed aggregate. May be used on natural and manufactured stone containing quartz or other silicas, grout, unglazed tile and terra cotta. Safe to use on old or new surfaces in outside environments. Not recommended for granite, marble, asphalt, glazed or ceramic tile. Performance may vary on limestone. Test first to verify performance and appearance before applying.

### COVERAGE PER GALLON:

SURFACE TYPE	SQ FEET	SQ METERS
Pavers & Other Hardscape Surfaces	75 – 200	6.9 – 18.6
Concrete	100 – 200	9.3 – 18.6
Retaining Walls & Other Vertical Surfaces	50 – 200	4.6 – 18.6

Coverage based on two coats applied wet-on-wet. Use approximately two thirds of the estimated amount on the first coat and one third on the second ensuring saturation. Actual coverage may vary depending on the type, age, condition, porosity of the surface, application method and other local conditions such as temperature & humidity.

### PREPARATION:

**TEST SEALER FIRST** on a small inconspicuous area to determine suitability and if desired results are achievable with this product. Over application on some very dense substrates may slightly darken the surface or leave a white haze. On new concrete, SB-4400 should be applied once it is fully cured (30 days after installation). If joint fill will be installed, such as PolySweep polymeric sand or joint sand, install sand prior to sealing. Before sealing, surface should be thoroughly cleaned and prepared with Surebond Cleaners. For spot cleaning, use S.R.B. and/or Oil Extractor before cleaning the surface overall with SureClean. Use Efflo Off for efflorescence cleaning and SureStrip to remove previously applied sealer or curing compounds, other than SB-4400. Thoroughly rinse all cleaner residue from the surface. Allow surface to dry for a minimum of 2 hours after cleaning and/or rain before sealer application. Use a leaf blower to remove dust, debris and fine sand particles from the surface.

**Cover/protect nearby landscape, vehicles, window glass and buildings from overspray during application.**

### APPLICATION INFORMATION:

Apply when day and night temperatures are between 40°F - 95°F. Maximum surface temperature should not exceed 120°F. Allow surface to dry for a minimum of 2 hours after cleaning and/or rain before sealer application. Avoid windy conditions to keep sealer spray from drifting. NO pre-blending or mixing required. DO NOT DILUTE. Always apply two coats of SB-4400 to ensure complete coverage. On large projects, it may be necessary to work in smaller more manageable sections.

**Application Tools:** low pressure high volume sprayer with solvent resistant neoprene or Viton-type seals, solvent resistant slit foam roller

**Spray & Back Roll Application (Wet on Wet):** Use coverage rate for your specific surface. Hold sprayer nozzle perpendicular to the surface, spray and overlap each spray pass. Apply a second coat while the first coat is still wet ("wet on wet") and at a right angle to the first application. Do not allow surface to dry between coats. Use liberally but do not allow sealer to puddle. Before second coat dries, back-roll surface with a foam roller to eliminate any pooling and to even out the sealer. **Avoid contact with glass.** If this product is allowed to dry on glass a residue may be created that is not removable. If accidentally splashed on glass, flush immediately with mineral spirits or other solvent.



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### DRY TIME:

Surface will be dry to the touch within 30 minutes assuming 65-85°F at 50% relative humidity. Low surface or air temperature and or high relative humidity will extend dry times. Area is rain safe and can be open to foot & vehicular traffic in 2 – 4 hours depending on weather and site conditions. Protect the surface from dust, rain, condensation and traffic while drying.

### CLEAN UP:

For tools and equipment, clean with mineral spirits or other solvent before product is allowed to dry.

### MAINTENANCE/RE-APPLICATION:

Sealed surfaces should be properly maintained following Surebond's Restoration and Maintenance guidelines to get the best long-term performance from both the pavement and SB-4400. To prevent build-up of dirt, grime and stains, rinse surface regularly with clean water. If stains do occur, Surebond cleaners are compatible with Surebond sealers. Consult cleaner instructions to determine if they are ready to use or if they require dilution. Test cleaners in an inconspicuous area prior to cleaning the entire surface. When using a pressure washer, do not use excessive pressure as it may erode joint sand and/or damage the surface. Thoroughly rinse the surface of cleaner residue.

SB-4400 re-application may need to be carried out every 5 - 10 years depending on the type of surface and environmental/site conditions.

### PACKAGING:

Gallon Containers: 4 gallons/case, 36 cases/pallet  
Five Gallon Pails: 36 pails/pallet  
55 Gallon Drums: 4 drums/pallet

**STORAGE:** Store locked up in original packaging in a cool, well-ventilated place. Do not allow to freeze. SB-4400 is a flammable liquid and should be stored away from heat, hot surfaces, sparks, open flames and other ignition sources.

**SHELF LIFE:** 2 years when unopened and properly stored

**VOC CONTENT:** < 600 g/L

### PRECAUTIONARY INFORMATION:

Protect sealer from freezing and store in a cool place when not in use. In winter, keep in heated area. This sealer is not recommended for marble, granite, agglomerate tile, ceramic tile, and polished surfaces with a high gloss as they do not absorb the sealer. A test area is ALWAYS recommended to determine product suitability and compatibility with your specific surface before use and to verify if desired results are achievable. Due to the inherent variability of natural stone and clay products, long term performance may vary. Please consult with SEK-Surebond prior to sealing if there are concerns. A minimum temperature of 40° (5°C) must be maintained for a period of

24 hours prior to application. Surface temperature should not exceed 120°F (49°C) during application. Work should cease in inclement weather (rain or strong wind).

**KEEP OUT OF REACH OF CHILDREN** • Do not eat, drink, or smoke when using this product • Use only outdoors in a well ventilated area • Do not breathe vapors, spray or mist • Keep away from heat, hot surfaces, sparks, open flames and other ignition sources • Ground and bond container and receiving equipment • Use explosion-proof equipment and only non-sparking tools • Take action to prevent static discharge • Wear protective gloves, clothing, face and eye protection • Wash thoroughly after handling • Avoid release to the environment (See Safety Data Sheet for complete information.)

### EMERGENCY & FIRST AID MEASURES:

Get medical attention if exposed and you feel unwell. **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a **POISON CENTER** or physician if feel unwell. **IF SWALLOWED:** Immediately call a **POISON CENTER** or physician. Do NOT induce vomiting. **IF ON SKIN:** Immediately take off all contaminated clothing and wash before reuse. Rinse skin with plenty of water or shower. Get medical attention if irritation occurs. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs. **IN CASE OF FIRE:** Use CO<sub>2</sub>, dry chemical, or alcohol resistant foam to extinguish. (See Safety Data Sheet for complete information.)

### WARRANTY:

SEK-Surebond warrants its products to substantially conform to its published specifications at the time of purchase. The foregoing is the sole limited warranty applicable to the products. **SEK-SUREBOND HEREBY DISCLAIMS ALL OTHER WARRANTIES OF ANY KIND OR NATURE, WHETHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER WARRANTY OTHER THAN THE WARRANTY SET FORTH ABOVE.** The user is solely responsible for determining suitability of the products for their particular use. While the actual application of this product is out of the control of SEK-Surebond, it is recommended that the application guidelines be followed completely and accurately. SEK-Surebond's liability for any damage shall not exceed the purchase price of the product used, and it shall have no liability for consequential, incidental or punitive damages.

**SEK SUREBOND**  
HARDSCAPES *Done Right!*™

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