



**SUREBOND SEALERS** **TECHNICAL DATA SHEET**

**PRODUCT DESCRIPTION:**

**SB-1000 PermStik** is a water-based hybrid polymer blend. It is designed to bind together ASTM #8, #9 or #89 aggregate chips used in permeable paving systems to minimize chip scattering and loss due to extractive forces from washout, traffic and pavement sweeping. It can be used outdoors on old and new horizontal surfaces. SB-1000 can be applied immediately after surface installation, as it is breathable and will not trap naturally occurring moisture or efflorescence. SB-1000 protects the surface from water and salt, as well as minimizes overall surface weathering and deterioration. On a newly installed or restored surface, SB-1000 will lock in its clean natural look and provide stain resistance which makes cleaning and maintenance easier. SB-1000 is specially formulated with an antifungal designed to help inhibit the growth of mold, moss and algae on the sealer film. It is non-hazardous and VOC/EPA compliant. SB-1000 has the consistency of water, is milky white when applied and dries transparent on most surfaces. 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>Permeable (PICP) Chip Binder</b>	<ul style="list-style-type: none"> <li>• Binds Together ASTM #8, #9 or #89 Chips</li> <li>• Minimizes Chip Loss &amp; Scattering</li> </ul>
<b>Antifungal Film Protection</b>	<ul style="list-style-type: none"> <li>• Protects Sealer Film from Mold, Moss &amp; Algae</li> </ul>
<b>Stain Resistant</b>	<ul style="list-style-type: none"> <li>• Promotes Easier Cleaning &amp; Maintenance</li> </ul>
<b>Surface Protection</b>	<ul style="list-style-type: none"> <li>• Guards Against Surface Intrusion of Salts &amp; Other Contaminants</li> </ul>
<b>Breathable, Immediate Application</b>	<ul style="list-style-type: none"> <li>• Does Not Trap Moisture or Efflorescence</li> </ul>

**SUITABLE SURFACES:**

Designed for PICP (permeable) systems and also can be used with standard installations using concrete and clay pavers, natural and manufactured stone. Safe to use on old or new surfaces in outside environments. Not recommended for granite, marble, asphalt, glazed or ceramic tile. Test first to verify performance and appearance before applying.

**COVERAGE PER GALLON:**

Assuming 11% void areas and 1" of chip stabilization, coverage rate is 75 – 100 sf per gallon.

**PREPARATION:**

**Test Sealer First** on a small inconspicuous area to determine suitability and if desired results are achievable with this product. Testing will also determine final coverage rate necessary to adequately bind chips. 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, other than SB-1000. Remove and kill any mold, mildew, fungus or algae. Thoroughly rinse all cleaner residue from the surface. Allow surface to dry for a minimum of 24 hours after cleaning and/or rain before chip installation or sealer application.

**Joint Fill:** Paver joints should be filled with ASTM #8, #9 or #89 aggregate such as SEK-Surebond Perm Chips. Vibrate surface with vibratory roller or compactor after sweeping chips into joints to consolidate.

**Prior to Sealing:** Use a leaf blower to remove dust, debris and fine sand particles from the surface. Cover/protect nearby landscape, vehicles, 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 24 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. **Agitate or stir before each use.** SB-1000 is designed for a one-coat application. Excessive applications may decrease breathability and/or cause surface to become slippery. Some surfaces may require an anti-slip additive to increase friction.

**Application Tools:** low pressure high volume sprayer\*, slit foam roller, foam squeegee for chip stabilization

\* Airless sprayers are not recommended for application due to the volume of material applied, but hand held pump sprayers can be used on smaller projects. Use the largest nozzle possible to ensure adequate coverage

**Flood Coat & Squeegee Application for Chip Stabilization:**

Use coverage guidelines and rate determined from Pre-Test (See Preparation Instructions) to determine the correct amount of sealer necessary to provide adequate stabilization in the joint. Liberally spray sealer to flood surface focusing on the joints. Immediately use a foam squeegee to direct excess sealer into joints. Remove all surface pooling and as much excess sealer as possible by back rolling with a slit-foam roller.



**SUREBOND**  
PROTECTION THAT PAYS

**SB-1000**  
PERMSTIK  
PICP CHIP STABILIZER  
With Antifungal Film Protection

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**DRY TIME:**

Surface and joints will be dry to the touch within 60 minutes assuming 65 - 85°F at 50% relative humidity. Low surface or air temperature and or high relative humidity will extend dry times. Complete curing of the joints will take longer than 24 hours. Protect the surface from dust, rain, condensation and traffic while drying. Area can be open to foot & vehicular traffic in 24 hours depending on site conditions and curing.

**CLEAN UP:**

For tools and equipment, clean with soap and water 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-1000. 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 stabilized chips and/or damage the surface. Thoroughly rinse the surface of cleaner residue.

**PACKAGING:**

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

**STORAGE:** Keep in a cool, well-ventilated place. Do not allow to freeze.

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

**VOC CONTENT:** <99 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, 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. The use of an anti-slip additive

is recommended for increased traction on surface inclines or around consistently wet areas such as pool deck surrounds. Never try to seal wet or damp surfaces. 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** • Use only outdoors in a well ventilated area • Wear protective gloves, clothing, face and eye protection • Wash thoroughly after handling (See Safety Data Sheet for complete information.)

**EMERGENCY & FIRST AID MEASURES:**

**IF SWALLOWED:** Call a **POISON CENTER** or physician if you feel unwell. **IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation occurs. Take off contaminated clothing and wash before reuse. **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 eye irritation persists. **IF INHALED:** Call a **POISON CENTER** or physician if you feel unwell. **IN CASE OF FIRE:** Use water, water fog, dry chemical, CO<sub>2</sub> 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.



SOLUTIONS SIMPLIFIED

120 Goddard Crescent, Cambridge, ON, N3E 0A9  
1.800.720.(SNAP) 7627 | Fax: 519.653.1308  
Cambridge 519.745.9996 | Montreal 514.447.8924 | Vancouver 604.283.9306  
orders@gnhardscape.com