



Sealer SG^{TM*}

Chloride Ion Protection

*Formerly S-102

▶ **PERMANENT SALT GUARD**

▶ **UL[®] GREENGUARD GOLD CERTIFIED**

▶ **SUPERIOR FREEZE THAW PROTECTION**

▶ **INCREASED ABRASION RESISTANCE**

PRODUCT DESCRIPTION

SINAK Sealer SGTM is formulated to waterproof, protect, and preserve concrete even in the most adverse environments. Concrete treated with **Sealer SGTM** is permanently protected against water penetration, de-icing agents, chloride intrusion (salts), efflorescence, and freeze thaw conditions. **Sealer SGTM** protects from foreign contaminants and improves abrasion resistance. **Sealer SGTM** is a proprietary formula in solution that requires no mixing, diluting, or agitating. This sealer is non-toxic and contains no VOCs or solvents.

Sealer SGTM creates a protective barrier that cannot be removed chemically or physically, and there is no surface coating or film that can be worn or weathered away. Concrete treated with **Sealer SGTM** retains its natural appearance. **Sealer SGTM** is designed and tested to be used for potable water applications such as pumping stations, water storage facilities, and wildlife enclosures. In addition, **Sealer SGTM** is approved for use on concrete structures in, or spanning rivers and streams. **Sealer SGTM** is compatible with all crack repair, surface patching, and coating materials. Treated concrete is waterproof when subjected to hydrostatic pressures equivalent to more than 220 feet below grade (100 psi).

ADVANTAGES

- ▶ WATERPROOFING
- ▶ CHLORIDE PROTECTION
- ▶ ABRASION RESISTANCE
- ▶ FREEZE-THAW PROTECTION
- ▶ EFFLORESCENCE CONTROL
- ▶ STAIN RESISTANCE

WHERE TO USE SEALER SGTM

- ▶ BRIDGES
- ▶ CONCRETE PAVEMENTS
- ▶ SIDEWALKS
- ▶ DRIVEWAYS
- ▶ CISTERNS
- ▶ POTABLE WATER



COMPOSITION & MATERIALS

Sealer SG™ is a proprietary water-based formula in solution. **Sealer SG™** requires no mixing, diluting or agitation. Color: Water clear; Net Weight: 9.2 lbs/gal; Toxicity: Non-toxic; VOC: Contains no volatile organic compounds or solvents.

TESTING

ASTM C-1028

(Static Coefficient of Friction)

-Dry 24% Improvement over untreated sample

-Wet 36% Improvement over untreated sample

ASTM C-672

(Surface Scaling)

Non-air entrained concrete after 50 freeze-thaw cycles:

	Untreated Control	Sealer SG™
Scaling	Slight to Moderate	None
Weight Loss	1.5%	None

AASHTO T-161/ASTM C-666

(Freeze-Thaw Testing)

(Frost-resistant concrete)

	Untreated Control	Sealer SG™ Treated
Scaling After 146 Cycles	Slight	None
237 Cycles	Slight	None
480 Cycles	Slight	None

ASTM C-882

(Bond Strength of Urethane Systems)

(Shear and tensile)

Withstood 4 to 5 times the stress for the stated movement capability specified by the manufacturer.

Pull Tests - Epoxy

No failure of epoxy bond to sealer-treated flat surfaces. (Concrete failed in tension.)

INSTALLATION

Installation should be continuous. Apply a small test area to confirm penetration. If rain should occur at any time during this process, see 'Interrupted Installation' at the end of this section.

1. Protect objects and areas not to be treated from spillage or overspray.
2. Apply **Sealer SG™** uniformly wetting the surface with an airless or tank-type sprayer. CAUTION: For multiple coat applications the first coat must be completely dry before the application of the second coat.
3. If necessary, immediately after the first coat is dry, apply a second coat. Drying time will vary from 10 to 30 minutes depending on temperature and environment. NOTE: "Dry" means dry to the touch.
4. Clean all equipment with warm soapy water.

INTERRUPTED INSTALLATION

If the application should be interrupted by rain, mark the place of interruption and continue the application as soon as weather permits. If the delay exceeds 4 hours contact SINAK Corporation immediately.

HOT WEATHER INSTALLATION

DO NOT apply **Sealer SG™** on surfaces above 100°F (38°C).

COLD WEATHER INSTALLATION

DO NOT apply below 34°F (1°C). Allow ample time between coats for drying. Contact SINAK Corporation for additional information.

PRECAUTIONS

Do not allow **Sealer SG™** to come into contact with any glass, metal, or painted surfaces. **Sealer SG™** left to dry on the surface may result in streaking, whitening, or staining. Immediately wipe affected surfaces with a clean water-saturated cloth, then wipe dry with a second clean cloth. For questions regarding **Sealer SG™** contact SINAK Corporation.

COVERAGE RATES

(Subject to surface finish)

Coverage rate is 150-200 sq ft per gallon (4-5 sq m per liter) for existing concrete pavements.

Coverage rate is 250-300 sq ft per gallon (6-7 sq m per liter) for new concrete in conjunction with **SINAK LithiumCure 1000™** or **SINAK WCE™**.

STORAGE & HANDLING

Sealer SG™ has an indefinite shelf life when stored in a cool dry area out of direct sunlight. Must be kept in tightly secured containers to prevent evaporation and contamination. **Sealer SG™** MUST be protected from freezing. Product that has frozen will not function as intended and should be discarded.

AVAILABILITY

Sealer SG™ is available in 5-gallon (18.9-liter) pails, 55-gallon (208.2-liter) drums and 275-gallon (1041-liter) totes from selected distributors.

TECHNICAL ASSISTANCE

Technical assistance is available from the manufacturer.

WARRANTY

SINAK Corporation warrants its products to be free from manufacturing defects and to meet the technical properties on the current product information sheet. To the maximum extent permitted by law, this express warranty and the remedies specified below are exclusive and in lieu of all other warranties and remedies. Any implied warranties including without limitation implied warranties of merchantability and fitness for a particular purpose are excluded. SINAK Corporation's liability under this product warranty shall be limited to a refund of purchase price or replacement of the product. SINAK Corporation shall have no liability for any loss of use, interruption of business, lost profits or goodwill, or for any special, incidental or consequential damages of any kind arising from the purchase or use of the warranted product, even if SINAK Corporation has been advised of the possibility of such loss, interruption or damage. This limited warranty may not be modified by representatives of SINAK Corporation, its distributors or dealers. Any claim made under this warranty must be made within one (1) year of the date of purchase and shall be accompanied by any reports or test results that form the basis of the warranty claim. Prior to settlement of a warranty claim, SINAK Corporation shall have the right, but not the obligation, to conduct site inspections and perform tests pertaining to the customer's warranted product and its manner of use.



Manufactured By:

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