

SEALER SG™

CHLORIDE ION PROTECTION

SINAK Sealer SG™ is formulated to waterproof, protect, and preserve concrete even in the most adverse environments. Concrete treated with Sealer SG™ is permanently protected against water penetration, de-icing agents, chloride intrusion (salts), efflorescence, and freeze thaw conditions.

FEATURES & BENEFITS

- Permanent Chloride Ion Protection
- Permanent Freeze Thaw Protection
- Permanent Salt Guard
- Improves Abrasion Resistance
- Controls Hydrostatic Pressure on Existing Concrete

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 coats 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 WCET™.

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.

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™
SCALING AFTER	Control	Treated
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.)