

## SINAK Sealer SG Product Specification

### Chloride Ion, Freeze Thaw Protection, Waterproofing Sealer

**NOTE: SINAK Sealer SG can be inserted in Division 070000, dampproofing/waterproofing as an alternate for negative side waterproofing or in Division 033000 under Concrete Sealer. SINAK Sealer SG can be incorporated as a system in conjunction with SINAK Curing Agent LithiumCure 1000 for permanent freeze thaw and salt guard protection. See SINAK Traffic Systems specification for a complete project specification.**

- A. Zero VOC Penetrating Liquid Treatment Clear, chemically reactive, waterborne solution of inorganic pre-catalyzed Sodium crystalline quartz or sodium silicate materials and proprietary components; odorless; that penetrates, waterproofs, hardens, and densifies both new and old concrete pavements and surfaces. Product shall not require free calcium or other hydrates for reactivity. Product must be capable of installation within five days of concrete placement when properly cured and shall not generate any waste or byproduct for disposal.
1. Basis-of-Design Product: Subject to compliance with requirements, provide SINAK Corporation:
    - a. SINAK Sealer SG: For use on new or existing exterior textured or broom finished slabs or open surface profiled concrete and pavements. For application in vehicle traffic areas for permanent freeze thaw protection. On new concrete applications, when combined as a system with SINAK LithiumCure 1000 may be installed in as little as 5 days after concrete placement.
    - b. <Insert manufacturer's name>.
  2. Performance Requirements: Minimum testing results on untreated samples.
    - a. ASTM C1028: Dry; 24% improvement, Wet; 36% improvement
    - b. ASTM C672: Zero (0) weight loss
    - c. ASTM C882: min 4 times increase in tensile.
    - d. Pull Test: Epoxy; no failure at bond line
    - e. AASHTO T-161/ASTM C666: less than 1% dilation at 300 cycles
  3. Product shall provide a permanent protective barrier to waterproof concrete.
  4. Product shall reduce or eliminate efflorescence.
  5. Product shall not to leave a film or coating on the substrate surface. Will not interfere with the bonding or performance line markings or paints.
  6. Product shall be UL GREENGUARD Gold certified and contain zero (0) VOC's.
  7. Products shall comply with the requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."