**SINAK HLQ-125 Product Specification**

**Waterproofing Sealer**

**NOTE: SINAK HLQ-125 can be inserted in Division 070000, dampproofing/waterproofing as an alternate for negative side waterproofing or Division 033000 under Concrete Sealer. SINAK HLQ-125 can be incorporated as a system in conjunction with a SINAK Curing Agent. See SINAK Concrete Finishes project guide specification or SINAK Traffic Systems specification for a complete project specification.**

* + - * 1. Zero VOC Penetrating Liquid Treatment Clear, chemically reactive, waterborne solution of inorganic pre-catalyzed lithium quartz or lithium silicate materials and proprietary components; odorless; that penetrates, waterproofs, hardens, and densifies both new and old concrete, masonry, and stone 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.

Basis-of-Design Product: Subject to compliance with requirements, provide SINAK Corporation:

SINAK HLQ-125: For use on concrete, masonry, and stone. On new concrete applications, when combined as a system HLQ-125 may be installed in as little as 5 days after concrete placement

 <Insert manufacturer's name>.

Performance Requirements: Minimum testing results on untreated samples.

ASTM C241: 300 percent improvement in abrasion resistance.

ASTM C805: Improved rebound number of 10 percent.

ASTM C1202: 25% improvement over water cure sample.

ASTM D3359: No failure of adhesion.

AASHTO T 161 Freeze/Thaw Durability: Passed

Waterproof Test for Clay Brick, 60 feet below-grade, London Underground: Passed

Waterproof Test for Concrete, 60 feet below-grade, British Rail: Passed

Product shall provide a permanent protective barrier to waterproof concrete, masonry, and stone.

Product shall reduce or eliminate efflorescence.

Product shall not leave a film or coating on the substrate surface. Will not interfere with the bonding or performance line markings or paints.

Product shall be UL GREENGUARD Gold certified and contain zero (0) VOC’s.

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."