



## Technical Data Sheet

### SealGreen – Brick and Stone Concentrate Sealer

#### Product Data and Test Information

##### DISTRIBUTION

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##### PRODUCT DESCRIPTION

SealGreen – Brick and Stone Sealer is a one component, VOC compliant, penetrating water repellent, which contains a proprietary modified siloxane. This water-based siloxane penetrates most masonry and concrete pores and capillaries up to ¼ inch or more depending on surface porosity and moisture content at the time of application.

SealGreen – Brick and Stone Sealer reacts with the silica in concrete and masonry in the presence of ultraviolet light and atmospheric moisture. This reaction forms strong permanent bonds beneath the surface and creates a hydrophobic zone that prevents water molecules from penetrating, while allowing free migration of water vapors. The chemical bonds formed in this process allow SealGreen – Brick and Stone Sealer to become an integral part of the substrate and provide long-term water repellent protection.

##### APPLICATIONS

Recommended surfaces include: architectural precast or cast in place, split face concrete blocks, brick, mortars, natural stones, limestone, granite, sandstone, terra cotta, ceramic tile and grout, adobe, exposed aggregate products, Portland cement stuccos, plaster and concrete masonry units.

Protects horizontal surfaces such as pavements, sidewalks and plazas. It should also be used on vertical surfaces with leaks and or where extra protection is desired.

Also protects bridges, parking decks, airport taxiways and aprons, piers and marine structures, and other surfaces requiring outstanding corrosion resistance and protection from chloride penetration.

For use on brick masonry to protect against the entrance of wind-driven rain.

To reduce the effects of mildew, efflorescence, and stains from concrete and masonry.

##### ADVANTAGES

Effective on most vertical or horizontal exterior, above-grade masonry surfaces. Natural substrate color and surface textures are unaffected, with little to no gloss created.

##### Benefits of this product are:

- \* Excellent resistance to water intrusion
- \* Deep penetration into the substrate
- \* Exhibits good beading effects
- \* 100% water vapor permeable
- \* Mildew and fungus resistant
- \* Efflorescence protection
- \* High resistance to alkali attack
- \* Freeze thaw protection
- \* Can be reapplied to treated surfaces

SealGreen Cleaners and Sealers are state-of-the-art protective treatments and have developed a reputation by architects and building professionals as the premier solution for water repellents and sealers. SealGreen is dedicated to solving the destructive influence water intrusion and other elements have on building materials.

##### APPEARANCE

SealGreen – Brick and Stone Sealer is clear, non-yellowing and does not change the color or appearance of typical surfaces to which they are applied. Buildings and structures stay cleaner because conditions which contribute to staining are reduced and dirt rinses away more readily.

##### PRETREATMENT FOR PAINT

Water can penetrate through most paints and coatings. This leads to damp substrates and blistering and peeling of paint. Pre-treating concrete, masonry, or stucco with SealGreen – Brick and Stone Sealer prior to painting keeps walls drier and extends the life of the paint. SealGreen – Brick and Stone Sealer is compatible with most latex and other paints. But to assure compatibility between paint and pretreatment, a small test application is recommended. Note: Do not use a pretreatment or allow overspray on metal or other nonporous surfaces to be painted.

##### TECHNICAL DATA

Color	milky white
Active substance	silane/siloxane
Active content	10%
Ph	5
Density	8.34#/gal.
VOC	<50 g/l

##### TEST DATA

**ASTM C 67** % Reduction in Water Absorption on Brick During Immersion in Water for 24 hrs. Results – 96.9%

**ASTM C 140** % Reduction in Water Absorption on 3000 psi Concrete During Immersion in Water for 24 hrs. Results – 91.29%

**ASTM C 97** % Reduction in Water Absorption on Indiana Limestone During Immersion in Water for 48 hrs. Results – 81.7%

**ASTM C672** "Deicer Scaling" 100 cycles (deicer freezing and thawing using air-entrained concrete specimens) Results - Little to No Change

**ASTM E 514** "Water Permeance of Masonry" Reduction in Leakage 99.9%