



**CoverTec**

innovative chemistry for substrate solutions

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Technical Data Sheet (Clear Surface Sealers)

202220041

# StoneBlock SD125

## Efflorescence and moisture blocker for stone and concrete surfaces

### Product Description

StoneBlock SD125 is a mineral-based impregnator solution, which penetrates deep into an unsealed stone or cementitious substrate **to block salt efflorescence, dissolved solids and moisture rising to the surface**. It is ideal for treating any lime based natural stone or absorbent concrete. StoneBlock SD125 can also be used for the pretreatment (6-side) of natural stone tiles. The product is water based, breathable, zero odor and upon proper application, the substrate will have little, or no, noticeable change in appearance when dry.

### Features

- Blocks efflorescence, water/salt migration
- Reduces water vapor transmission
- Integral, permanent treatment
- Minimal impact on appearance
- Consolidates and hardens surface
- Resists, dissolved chlorides and alkali
- Works as primer for penetrating and topical sealers
- Speeds up sanding and polishing

### Main Uses

- Preventing efflorescence in stone and concrete
- Pre-treatment (6 side) for stone tiles, pavers
- Treating grout and mortar
- Minimizing moisture drive in alkali substrates
- Vapor reduction
- Surface hardening of natural stone
- Excellent primer for stain resistant sealers
- Interior and Exterior

### Coverage

200-300 ft<sup>2</sup> per gallon (4.9 - 7.3 m<sup>2</sup> per liter) depending on porosity of stone.

**Suitable Substrates: Limestone, flagstone, sandstone, travertine, concrete, high porosity natural stone and concrete pavers and tiles.**

### Dry time

Dry to touch 1-2 hours; traffic 12-24 hours

### Packaging

1 gallon (3.79L) and 5 gallons (18.9L)

### Shelf Life

24 months when stored in cool dry conditions in original unopened drums.

### Installation Guidelines

Substrates to be sealed must be a minimum of 28 days old and/ or be fully cured. The surface must be clean and porous enough to allow penetration into the substrate.

Surfaces should be clean and free of surface laitance, dust, dirt, debris, mildew, oil, grease, previous sealers, curing agents, paint or other surface coatings, and other contaminants. If acid or other cleaning compound is used for cleaning or etching the surface, neutralize the surface completely before application of SD125.

### Application

Before application to the whole surface, test a small area to verify absorption, application rates and desired results especially on dense surfaces. **Do not apply StoneBlock SD125 to damp or wet surfaces.**

For proper penetration of the sealer the surface should be dry. Stir StoneBlock thoroughly before use.

**Substrate and ambient temperature should not be below 40°F or above 95°F** during the application or drying period.

**Apply an even layer of product with a low-pressure sprayer, lamb's wool applicator, roller, or brush.**

Work in small, manageable areas to ensure product is applied uniformly and does not dry out on the surface.

**StoneBlock should be fully absorbed into the surface within 10 minutes without puddles.**

If after 10 minutes product is still sitting on the surface use a soft broom, roller, or lamb's wool applicator to spread the excess material. Over application may leave a white residue on the surface. This residue can be cleaned off when dry by scrubbing or by pressure washing.

Applying StoneBlock to a surface that has low pH content may also lead to the formation of white residue. To reduce this likelihood, it is recommended that the surface is rinsed thoroughly with water 2 hours after final application of sealer.

One or two coat application is typically required. If the surface is porous and more product can be absorbed, wait 1-2 hours before the second application following the same method described above.

**StoneBlock SD125 can be used as a primer for any of CoverTec's stain resistant sealers** to maximize the durability and effectiveness of the stain proofing.

Allow SD125 to dry a minimum of 2 hours before applying the stain resistant sealer. **Compatible sealers include PREMIUM and CoverShield U140.**

**Typical Properties**

Property	Typical Results
pH at 77°F	11.5-12.5
Surface Breathable	Yes
Specific gravity	1.15 @20deg C
VOC g/l	0.0
Flash Point	None
Solubility in Water	Yes
Appearance	Clear Hazy Liquid.

**Limitations**

Do not apply to wet surfaces.  
Do not apply below 40°F or above 95°F (5-35°C)  
Allow grout and mortar to fully cure before application  
This product is not a "sealer" and will not prevent staining. Use CoverShield products if you wish to seal and protect from staining.  
Do Not Dilute Ready-To- Use Product.  
Will not accommodate dynamic movement cracks.  
SD125 is designed to work only on porous natural stone and concrete is not intended for asphalt.  
The use of high alkaline or acidic cleaners on the treated surface is not recommended and can be damaging.  
Do not dispose of into the water system.

**Datasheet Validity**

Please check the datasheet section on [www.covertecproducts.com](http://www.covertecproducts.com) to ensure you have the latest version of the datasheet.

**Health and Safety**

**Please refer to the Safety Data Sheet (SDS) prior to the use of this product. The SDS can be obtained via our website [www.covertecproducts.com](http://www.covertecproducts.com).**

**Limited Warranty**

This product is warranted to be of good quality and that it complies with the properties shown in its current datasheet. CoverTec will replace or, at our election, refund the purchase price of the product if proven defective when used according to the instructions in the current datasheet Any suspected defect must be reported to CoverTec in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. CoverTec Products LLC. **makes no warranty as to the merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied and explicitly excludes liability for consequential damages, down time, or delay.**