



Product Data Sheet

SealSource International:

Silane/Siloxane Concrete Sealer

EQ Credit 4: Low – emitting VOC Compliant Materials

SS InvisiSeal

Product Description-

SS InvisiSeal is a high performance, easy to apply, water-based silane/siloxane emulsion designed to give superior water repellency to all masonry and concrete surfaces interior or exterior. SS InvisiSeal provides deep penetration because of its small molecular structure that does not change the appearance of the surface. SS InvisiSeal will reduce spalling due to freeze thaw and efflorescence, thereby increasing the life of the substrate.

Uses-

SS InvisiSeal can be used on new or existing concrete and masonry.

Physical Properties-

Clear to light amber liquid, water-based solution

Shelf Life 1 year in factory sealed container

Total Solids 16%

Active Ingredients 100% of total solids

Specific Gravity 1.106

pH 11.0

Flash Point N/A

VOC Content 300<gms/L 0 lbs/gal or 0 g/L per gallon

Freeze Point 32° F (0°)

Depth of Surface Penetration 2-8 mm

Advantages-

- Water repellent – Closes the pores in concrete or masonry making it more resistant to water and chemical attack.
- Penetrating – Deep penetration allows better reaction with the concrete or masonry product.
- Invisible – Clear product that will not change the appearance of the surface.
- Durable – Creates a stronger more resistant product that will increase the life of the surface.

Packaging-

- 55 Gallon Drums-Drum containers filled by weight, volume is closely approximate.
- 5 Gallon Pails

Mixing-

SealSource International SS InvisiSeal is a single component product. Prior to use shake container or stir for one to two minutes.

Safety-

- Read Material Safety Data Sheet before using
- Keep out of reach of children
- Protect from freezing
- Wear safety glasses and rubber gloves
- Do not apply to soft metals
- Do not apply to glass

Application Recommendations-

SS InvisiSeal should be applied by low pressure sprayer, airless sprayer, roller or brush. Apply at 200-400 sq. ft. per gallon. Coverage rate will vary depending on surface porosity.

* Certified Applicator is required for all national accounts

Preparation and Installation-

Concrete must be clean, structurally sound and free of wax, dirt, coatings and paint, curing compounds, and pet-rochemicals. Random cracks, damaged control joints, and new construction joints should be properly prepared. Concrete laitance should be removed. Air-blast or vacuum concrete dust prior to installing SS InvisiSeal. Hard steel troweled surfaces should be water tested for penetration characteristics. Horizontal and vertical concrete or masonry surfaces should be sand blasted or shot blasted prior to application for maximum penetration. Shelf Life- One year, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F.

Warranty-

SealSource International will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.

Technical Services, Sales and Customer Support (800) 305-9144

SS INVISISEAL™ EMULSION ON VARIOUS SUBSTRATES

% Water Exclusion¹ vs. Control after 24 hours immersion

Substrate 67	ASTM C 642 ²	ASTM C 67
Alkaline Substrates		
Mortar Cubes	94.8	
Permcon Cement Brick		77
Neutral Substrates		
Belden Belcrest 350 Brick		69.8
Glen Gary Salem Brick		48.3

¹Calculation is based on weight gain of control.

²ASTM C 642 used 50.8-mm x 50.8-mm (2-in x 2-in x 2-in) mortar cubes.

³ASTM C 67 modified to used one eighth of a brick instead of one half of a brick with three specimens instead of five.

SS INVISISEAL™ MODIFIED ASTM E-514¹

% Water Exclusion vs. Control after 21 days Immersion

Lightweight Concrete Block—InvisiSeal™ Water Repellent Emulsion

% Reduction in Leak Rate²—76

Penetration.mm—15

¹Modified ASTM E-514 – 3 blocks were mounted to a chamber and sprayed with water under 50.8 millimeters (2 inches) of water pressure for 4 hours.

²Percent reduction in leak rate – treated blocks compared with untreated blocks.