



DESCRIPTION

SILSPEC® DECKSEAL Polymer Healer-Sealer is a two-component, polymer deck sealant that significantly increases the service life of both new and partially deteriorated concrete decks. It seals the surface and penetrates into the cracks to form a barrier that impedes moisture intrusion and Chloride ion penetration.

- Reduces Chloride Ion Penetration
- Fills Open, Non-Moving Cracks
- Deep Penetrating
- Retard Corrosion
- Structurally Strengthens Concrete Surface
- Does Not Dissipate with Age
- Safer Than Methacrylates
- Verifiable Penetration: Fluorescent Tracer Dye



ADVANTAGES

	DECKSEAL	Urethane Deck Coatings	Siloxanes/Silanes	3-Component HMWMA's	Linseed Oils
Bond Strength	EXCELLENT	FAIR	NONE	POOR	NONE
Tensile Strength	EXCELLENT	POOR	N/A	FAIR	N/A
Waterproofs Surface	EXCELLENT	FAIR	GOOD	GOOD	POOR
Volatile When Improperly Mixed	NO	NO	N/A	YES	N/A
Moisture Sensitive	NO	YES	NO	NO	NO



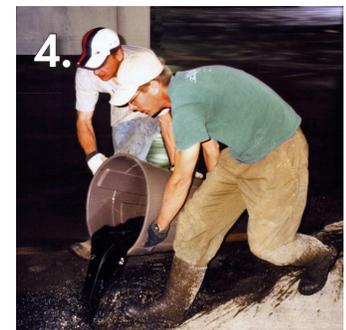
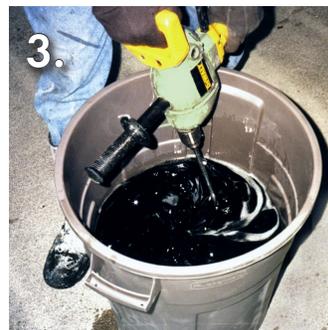
Laboratory Tests	Results	ASTM C-881 Specifications
Mix Ratio (By Volume)	1:1	N/A
C-881 Brookfield Viscosity	< 50 cps	2,000 cps Maximum
Chloride Ion Penetration Resistance (AASHTO T-259 [90 Day Ponding])	100% Effective	N/A
C-882 Bond Strength	2,000 psi	1,500 psi Minimum
D-570 Water Absorption (24 Hr. Immersion)	0.74%	1.0% Maximum
D-638 Elongation at Break	45%	1.0% Minimum
C-881 Filler Content	0.0%	N/A
EPA Method 24 Percentage of Solids	> 75%	N/A

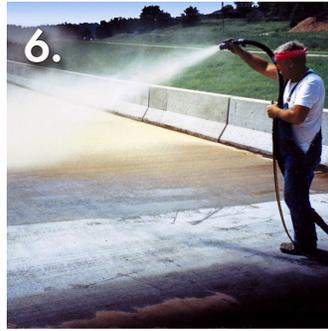
PHYSICAL PROPERTIES

Properties	Part A	Part B	Mixed System
Weight per Gallon/Liter	8.7 lbs. (4 kg)	7.7 lbs. (3.5 kg)	8.2 lbs. (3.7 kg)
Viscosity	< 50 cps	< 50 cps	< 50 cps
Specific Gravity	1.05	0.93	0.97

APPLICATION

1. Patch concrete with appropriate SSI product.
2. Clean concrete by abrasive blasting. Surface must be clean, dry, and frost free.
3. Mechanically mix A and B components, 1:1 by volume, with a Jiffy Mixer and variable speed drill at 300 rpm for a minimum of 3 minutes.
4. Within 5 minutes, flood coat SILSPEC® DECKSEAL on concrete.
5. Immediately distribute evenly and work into concrete for a minimum of 5 minutes, for maximum penetration. Keep ponding DECKSEAL into cracks to refusal. Remove all excess with a squeegee on a smooth surfaces and a broom on textured surfaces. Surface should appear damp, but with no film build-up or ponding prior to broadcast.
6. Broadcast oven-dried silica to refusal.
7. After initial cure, remove excess sand.





COMPLIANCE

Federal EPA VOC < 250 g/L

AASHTO T-259 Chloride Ion Penetration Resistance (90 Day Ponding)

COVERAGE

Broom-Finished Concrete: * 65 - 100 sq. ft./gal. or 6.0 - 9.3 sq. m/L

Steel-Troweled Concrete: * 150 - 200 sq. ft./gal. or 13.9 - 18.6 sq. m/L

* Coverage depends on porosity of concrete

PACKAGING

SILSPEC® DECKSEAL is sold as:

2 Gallon (7.6 L) Units: 2, 1 gallon cans

10 Gallon (37.8 L) Units: 2, 5 gallon buckets

110 Gallon (416 L) Units: 2, 55 gallon drums

QUALITY ASSURANCE

The best way to check for complete penetration of SILSPEC® DECKSEAL is to take core samples.

SILSPEC® DECKSEAL contains a fluorescent tracer dye, which illuminates under a black light. This provides evidence of penetration into the finest hairline cracks in core samples, as illustrated by arrow on this photo.





LIMITATIONS

- Apply to dry and fully-cured concrete only.
- Compressed air equipment must have air/oil separators.
- Pot Life: Approximately 1 hour in mass at 72° F (22° C). 20 minutes in, thin film at 72° F (22° C).
- Store SILSPEC® DECKSEAL at 65 - 80° F (18 - 27° C).
- Condition SILSPEC® DECKSEAL to 65 - 80° F (18 - 27° C).
- Minimum application temperature is 40° F (4° C).
- Shelf Life: 1 year in original, unopened container.
- Curing Time: Approximately 4 hours at substrate temperature of 77° F (25° C).
- Do not apply over curing compounds.
- Not for slab on grade in freezing climates.

CAUTIONS

- Keep away from heat, sparks, and open flames.
- Flammable liquid, corrosive UN 2924.
- Use only with adequate ventilation.
- Avoid all contact with skin and eyes.
- Avoid breathing vapors.
- For industrial use only.
- Keep out of reach of children.
- Use safety gloves, goggles, and NIOSH/MSHA approved organic vapor respirator if ventilation is inadequate.
- Do not thin with solvents.

(800) 888-8909



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Warranty Limitations: SSI represents to the purchaser of this product from SSI (referred to as customer) that the information in this literature is an accurate description of the typical characteristics, properties, and uses of the product, if transported, stored, and applied in accordance with this literature and the referenced Material Safety Data Sheet. Unless SSI provides, before product installation, an express written warranty after receipt and evaluation of specific written project conditions and applicable scope documentation, SSI's exclusive warranty is that the product will conform to the sales representations stated, herein, and the current Material Safety Data Sheet. SSI expressly disclaims all other express or implied warranties, including without limitation warranties of merchantability and fitness for particular purpose. In no event shall SSI's liability for damages arising from the sale of this product the amount of purchase price received by SSI from customer for this product delivered to the project in question, or at SSI's sole option, SSI may replace the product or portion thereof that does not conform to the foregoing representation. SSI expressly excludes any liability for special or consequential damages.

Customer is solely responsible for evaluating job conditions and the suitability of described physical properties and characteristics of the product to meet specified or apparent project requirements and for application of the product in accordance with SSI's recommendations.

These representations are intended for reliance exclusively by the customer and are not intended to benefit any other person or entity. These exclusions, modifications, or limitations of warranties, including their effect on rights and remedies, that are effective against are also effective against subsequent purchasers, users, and third party beneficiaries of the sale of this product.

SSI undertakes no responsibility for storage, mixture, preparation of surfaces, application, use, or misuse of product or its conformity to specifications that are not previously and expressly acknowledged in writing by SSI.

To Purchase, Please Contact SSI at Any of the Following Locations:

Dallas, TX (972) 243-0676 ♦ Fort Worth, TX (682) 647-1881
Houston, TX (713) 460-8800 ♦ Austin, TX (512) 326-1156
San Antonio, TX (210) 930-6360 ♦ El Paso, TX (915) 591-6800
McAllen, TX (956) 782-1341 ♦ Springdale, AR (479) 365-8050

Baton Rouge, LA (225) 620-0950 ♦ New Orleans, LA (504) 539-3102
Kansas City, MO (816) 561-1617 ♦ St. Louis, MO (314) 410-6801
Oklahoma City, OK (405) 524-9525 ♦ Tulsa, OK (918) 587-5567

Thank You For Choosing SSI