



SILOXANE FINAL SEAL

Solvent based aromatic water-repelling sealer for concrete and masonry

October 2017 Version 1.1

1. PRODUCT NAME

Siloxane Final Seal

2. MANUFACTURER

Siloxane Final Seal is manufactured for Cemstone Products Company
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Mendota Heights, MN 55120 USA

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PRODUCT DESCRIPTION

Siloxane Final Seal is an aromatic solvent-based concrete sealer/water-repellent that penetrates and reacts chemically within the capillaries of the concrete or masonry to protect against moisture penetration and the spalling, freeze damage, and rebar corrosion which moisture can cause. It is suitable for use in protecting and sealing fully-cured fresh concrete, existing concrete, brick, stone terrazzo, stucco, architectural concrete, and other cementitious materials, and can be applied to surfaces where a cure and seal coating was previously applied. Siloxane Final Seal is used for above grade exterior applications that are not subject to hydrostatic pressure.

WHEN/WHERE TO USE

- Above-grade exterior applications
- Concrete or masonry applications
- Fully cured new or existing applications
- Can be used on surfaces with previously applied cure and seal coatings
- Terrazzo, brick, natural and synthetic stone, stucco, and other cementitious materials

ADVANTAGES

- Natural matte finish
- Non-staining, non-yellowing
- Ready to use, do not dilute
- Can be applied to surfaces that had a cure and seal coating previously applied
- High alkali resistance
- Breathable and deep penetrating
- Easy to apply with sprayer and roller
- Dries tack free
- Provides early water repellency
- Once cured, pronounced water beading effect

Warning

Avoid contact with eyes and skin. If contact with eyes occurs, flood eyes repeatedly with clean water for 15 minutes and see a physician immediately. Do not rub eyes. Wash hands thoroughly after handling or before eating with warm, soapy water. Do not take internally. KEEP OUT OF REACH OF CHILDREN.

4. TECHNICAL DATA

TECHNICAL DATA	
Composition and Materials	An oligomeric, organosiloxane, aromatic solvent water repellent. Cemstone products are manufactured with only the finest quality raw materials available and close quality-control is practiced.
Density	7.39 lbs.
Flash Point	>80°F (26.6°C)
Typical Drying Time @ 70°F	1-2 hours (touch) 2-4 hours (traffic)
VOC Content*	> 700 g/l
A.I.M. Category	Waterproofing Sealers and Treatments Maximum VOC 600 g/l
Applicable Standards	ASTM C-666 Resistance of Concrete to Rapid Freezing and Thawing ASTM C672 Scaling Resistance AASHTL T259 Resistance of Concrete to Chloride Ion Penetration NCHRP 244 (water absorption, % water vapor transmission and % reduction in chloride intrusion)

* NOTE: Exceeds VOC content limit. Exceedance fee has been paid.

5. INSTALLATION PREPARATION

Read all directions before starting work. Remove all loose or unsound materials prior to application. Thoroughly clean surface of dirt, dust, oil, grease or other contaminants before using. Do not apply when rain is expected within 4-6 hours of application. Apply only to dry surfaces for optimal performance. DO NOT STORE NEAR HEAT OR OPEN FLAME. Siloxane Final Seal will not freeze, however it must be allowed to warm to 50°F (10°C) prior to using. Keep containers tightly sealed when not in use, and use only in well-ventilated areas. Read and understand SDS pages for safety precautions prior to use.

New Concrete: All fresh concrete should be properly cured (28 days).

Existing Concrete: Repair any cracks or damaged areas. Mechanical abrasion of smooth-finished surfaces may be needed for maximum penetration.

NOTE: Siloxane Final Seal is not suitable for use on gypsum surfaces.

MIXING

Siloxane Final Seal is ready for use, do not dilute. Product may be gently stirred, but do not entrain air.

APPLICATION

- Apply when both air and surfaces temperatures are above 40°F (4.4°C) and the Siloxane Final Seal is above 50°F (10°C).
- For best results, surfaces must be clean and dry.
- Apply uniformly at the specified rate of coverage with long-nap roller or an airless sprayer equipped with PVC, viton, or other compatible fittings and hoses as solvents can damage rubber. It is important to evenly roll and back-roll the surface to consistently spread the sealer. Surface should have a uniform wet-look until the sealer dries.
- Roll out any pools that accumulate on the surface until liquid no longer moves on surface or when cob-webbing occurs on the roller surface.

NOTE: Siloxane Final Seal may darken the appearance of concrete, especially if it is applied too heavily. A small mock-up in an inconspicuous area is often done to test compatibility with the substrate prior to full application.

CLEAN UP

Use mineral spirits or solvent-based cleaners, such as xylene on tools and equipment. For sprayers, pump the solvent through the spray equipment to remove any residue to prevent clogs in the hose and wand. For skin contact, wash thoroughly with soap and warm water.



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Approximate Coverage @ 70°F (21°C)	Sq. Ft./ gal.	M ² / L
Concrete driveways, sidewalks, patios	150-250	3.7-6.1
Bridge decks / ramps	100-200	2.4-4.9
Smooth concrete	125-225	3-5.5
Exposed aggregate	100-200	2.4-4.9
Concrete block	50-100	1.2-2.4
Brick / stone	60-200	1.4-4.9

COVERAGE

NOTE: The recommended coverage rate for most concrete substrates is no less than 150 sq. ft. per gal. Coverage may vary due to porosity, wind, temperatures, and condition of concrete.

NOTES

- Some fumes may be present during application. Use best practices when applying on interiors for proper ventilation. Siloxane is non-toxic in it's cured state.
- Surfaces should be clean and dry prior to application
- Siloxane Final Seal may darken the appearance of concrete, especially if it is applied too heavily.
- Keep containers tightly sealed when not in use.
- Dispose of contents/container in accordance with all local and state regulations.
- Do not dilute with water or solvents.
- For best use, the recommended shelf life is 12 months. If shelf life is beyond 12 months, please contact your distributor.

6. AVAILABLE SIZE

- 1 gal. (3.78 L) can
- 5 gal. (18.9 L) pail
- 55 gal. (208 L) drum

7. WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

8. MAINTENANCE

Normal sweeping, dusting, or mopping. If spillage removes the coating or if traffic wear patterns occur, Siloxane Final Seal can be re-applied to the affected area.

9. TECHNICAL SERVICES

The Cemstone office offers assistance with specifications, performance test data and field services.

10. FILING SYSTEM

Division 9

CEMSTONE DISCLAIMER:

Every effort has been made to ensure the accuracy of the above information and to avoid infringement of any patent or copyright. The information is based on field tests by government and private agencies, as well as lab tests, and on technical data from raw material manufacturers. The person(s) specifying or requesting the use of these products is responsible for assuring their suitability for a specific use, as well as the proper application of the products. Where there is any question to the suitability of a particular product, a small test patch is recommended. See also WARRANTY (Section 7).

FOR PROFESSIONAL USE ONLY

KEEP AWAY FROM HEAT OR OPEN FLAME

WARNING: INJURIOUS TO EYES

KEEP OUT OF REACH OF CHILDREN