



MasterFormat: 03 30 00

AUGUST 2021
 (Supersedes September 2016)

SIL-CRETE™

Lithium-Silicate Curing Agent and Densifier

DESCRIPTION

SIL-CRETE concrete curing agent and densifier is a waterborne, low solids, lithium-silicate-based, ready-to-use formulation which cures and densifies freshly troweled concrete and also can be used to densify and seal existing concrete. When applied to fresh concrete, the product helps to reduce water evaporation and improves the surface integrity of the concrete. It is residue-free and contains no wax, resin, or other materials that would inhibit the bond of subsequent coatings and/or treatments over substrates treated with SIL-CRETE.

USES

SIL-CRETE is recommended for use wherever cured and densified freshly troweled concrete is required, or existing concrete is needing sealing and densification. Ideal applications include floors in restaurants, industrial plants, warehouses, etc.

FEATURES/BENEFITS

- Densifies and dustproofs concrete surfaces.
- Does not inhibit adhesion of subsequent coatings and other topical treatments.
- Will not discolor, yellow, peel, or flake.
- VOC compliant.
- Dustproofs and improves abrasion resistance of treated surfaces
- Does not form a film.
- Interior or exterior application
- Meets the moisture loss requirements of ASTM C309 on hard-troweled concrete

PACKAGING

5 Gallon (18.93 Liter) Pails
 55 Gallon (208.20 Liter) Drums

COVERAGE

Fresh hard-troweled concrete: 400 - 700 ft.²/gal. (9.8 - 17.2 m²/L)

Fresh, uncured, burnished concrete: 500 - 800 ft.²/gal. (12.3 - 19.6 m²/L) 500- 800 ft²/gal
 Existing, broomed concrete: 400 ft.²/gal. (9.8 m²/L)

SHELF LIFE

When stored indoors in original, unopened containers at temperatures between 40° - 90° F (4° - 32° C), optimum performance and best use is obtained within 18 months of date of manufacture.

SPECIFICATIONS/STANDARDS

- Meets the moisture loss requirements of ASTM C309 on hard-troweled concrete.
- Complies with all current federal, state, and local maximum allowable VOC requirements, including National EPA VOC Emission Standard for Architectural Coatings, CARB, LADCO, OTC Phase I and II, and SCAQMD.
- Dried film is USDA accepted.

TECHNICAL DATA

VOC Content: 0 g/L

APPLICATION

Newly Placed Hard-Troweled Concrete ... Surface needs to be clean free of oil, bond-breakers, cures, dust, etc. Apply after final finishing with a low-pressure, high-volume sprayer. Spray in uniform pattern using sprayer such as Chapin 1949 with 0.1 GPM (0.379 LPM) spray nozzle; use microfiber applicator to evenly spread out and ensure puddles are spread out. Keep surface wet for 5 - 10 min; ensure that additional material is applied to areas that dry quicker. If excess material is left after SIL-CRETE is dry, it must be removed. NOTE: If subsequent coatings or treatments will be applied, for best practices, W. R. MEADOWS recommends that all surfaces are clean prior.

CONTINUED ON THE REVERSE SIDE...

W. R. MEADOWS, INC.

P.O. Box 338 • HAMPSHIRE, IL 60140-0338
 Phone: 847/214-2100 • Fax: 847/683-4544
 1-800-342-5976
www.wrmeadows.com • info@wrmeadows.com

HAMPSHIRE, IL / CARTERSVILLE, GA / YORK, PA
 FORT WORTH, TX / BENICIA, CA / POMONA, CA
 GOODYEAR, AZ / MILTON, ON / SHERWOOD PARK, AB

Existing, Hard-Troweled Concrete ... Surface needs to be clean free of oil, bond-breakers, cures, dust, or anything else that will inhibit the penetration etc. For best results, clean the surface by sanding, grinding, or by the use of a diamond adhesive pad. Remove any dust and thoroughly rinse with water. Surface must be thoroughly dry prior to the application of SIL-CRETE. Apply after final finishing with a low pressure, high volume sprayer. Spray in uniform pattern using a sprayer, such as a Chapin 1949 with 0.1 GPM (0.379 LPM) spray nozzle; use a microfiber applicator to evenly spread out and ensure puddles are spread out. Keep surface wet for 5 - 10 minutes; ensure that additional material is applied to areas that dry quicker. If excess material is left after SIL-CRETE is dry, it must be removed. NOTE: If subsequent coatings or treatments will be applied, for best practices, W. R. MEADOWS recommends that all surfaces are clean prior.

Fresh, Broomed Concrete ... Apply SIL-CRETE as soon as the surface water has disappeared and the surface is hard enough to walk on. Spray in a uniform pattern using a sprayer such as a Chapin 1949 with 0.1 GPM (0.379 LPM) spray nozzle; use a microfiber applicator to evenly spread out and ensure puddles are spread out. Keep surface wet for 5 - 10 minutes; ensure that additional material is applied to areas that dry quicker.

Cleanup ... Application equipment may be cleaned easily with soap and water while still wet.

PRECAUTIONS

DO NOT DILUTE. Do not apply if the temperature of the concrete is less than 40° F (4.4° C). KEEP FROM FREEZING. If SIL-CRETE is accidentally sprayed or spilled on glass, brick, aluminum, painted surfaces, etc., flush immediately with water. Do not over-apply.

For most current data sheet and SDS, visit www.wrmeadows.com.



LIMITED WARRANTY

W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

Disclaimer

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.