

03 39 00 Concrete Curing

03 39 23 Membrane Concrete Curing

07 10 00 Dampproofing & Waterproofing

07 19 16 Silane Water Repellents

CONSOLIDECK®
HIGH PERFORMANCE CONCRETE

SingleStep

slip-resistant cure 'n seal for concrete

OVERVIEW

Consolideck® SingleStep is an acrylic-silane blend for curing and weatherproofing new and existing exterior concrete in one easy step. SingleStep quickly penetrates concrete pores. It forms a water-repellent gel in the pores and a semi-glossy film on the surface. This film helps keep concrete moist until it reaches maximum hardness. The cured concrete resists damaging water penetration, salts, de-icer chemicals and acids. Quick-curing SingleStep beads water after 24 hours.

SingleStep offers a fast, easy, effective alternative to curing compounds that require costly, time-consuming water curing and removal. It's ideal for parking garages, athletic stadiums, engineered concrete structures and decorative concrete.

SingleStep meets Type I, Class A requirements of ASTM C 1315, as they relate to physical characteristics including clarity, solids content, flash point and shelf life.

SingleStep also meets Type I, Class A requirements of ASTM C 1315 as they relate to product performance, including rapid drying, uniform defect-free coating and resistance to accelerated weathering.

SPECIFICATIONS

For all PROSOCO product specifications visit www.prosoco.com and click on "SpecBuilder" or "Solution Finder."

ADVANTAGES

- Effectively cures new concrete.
- Keeps harmful de-icing salts out of concrete.
- Exceeds minimum recommendation for slip resistance.
- Extends concrete service life.
- Quickly develops water repellency and chemical resistance.
- Prevents loss of silane ingredients due to evaporation.
- Can be applied in temperatures down to 50°F (10°C).
- Complies with USEPA AIM VOC regulations.

Limitations

- May show rubber burns.
- Not gasoline resistant.
- Do not use on carbonated concrete.
- Not for surfaces set for coatings or bonded overlays.
- Not suitable for sale in districts and states with more restrictive AIM VOC regulations.

REGULATORY COMPLIANCE

VOC Compliance

Consolideck® SingleStep is compliant with the following national, state and district AIM VOC regulations

- US Environmental Protection Agency
- California Air Resources Board SCM Districts
- South Coast Air Quality Management District
- Maricopa County, AZ
- Northeast Ozone Transport Commission

TYPICAL TECHNICAL DATA

FORM	clear liquid
SPECIFIC GRAVITY	0.901
pH	NA
WT/GAL	7.50 lbs
ACTIVE CONTENT	27%
TOTAL SOLIDS	28%
VOC CONTENT	< 700 g/L
FLASH POINT	>100°F (>38°C)
FREEZE POINT	ND
SHELF LIFE	2 years in unopened, factory-sealed container

SingleStep

PREPARATION

Protect people, vehicles, property, plants, windows and all non masonry surfaces from product, splash, residue, fumes and wind drift. Protect and/or divert foot and auto traffic. Existing concrete should be clean and dry before treatment.

Ensure fresh air entry and cross ventilation during application and drying. Extinguish all flames, pilot lights and other potential sources of ignition during use and until all vapors are gone. Avoid exposing passersby and building occupants to product, fumes and mist.

Surface and Air Temperatures

Do not apply when temperatures are less than 50°F (10°C).

Equipment

Use low-pressure sprayer with neoprene fittings, or brush or roller. Applicators must be clean and dry before use.

Storage and Handling

Store in a cool, dry place away from potential ignition sources. Keep container tightly sealed when not dispensing. Published shelf life assumes upright storage of factory-sealed containers in a dry place. Maintain temperature of 45-100°F (7-38°C). Do not double stack pallets. Dispose of unused product and container in accordance with local, state and federal regulations.

APPLICATION

Before use, read "Preparation" and "Safety Information."

ALWAYS TEST each type of surface and coating for suitability and results before overall application. Test using the following application instructions. Let test area dry thoroughly before inspection.

Dilution

Do not dilute or alter. Stir or mix well before use.

Coverage Rates

Coverage rates vary based on texture and porosity of surfaces. The following is a guide for estimates only. Always test.

Stamped Concrete

1st Coat: 200 sq.ft./gal (19 sq.m./gal)

2nd Coat: 300 sq.ft./gal (28 sq.m./gal)

New Concrete

1st Coat: 200 sq.ft./gal (19 sq.m./gal)

2nd Coat: 400 sq.ft./gal (37 sq.m./gal)

Old Concrete

1st Coat: 200 sq.ft./gal (19 sq.m./gal)

2nd Coat: 400 sq.ft./gal (37 sq.m./gal)

ALWAYS TEST

ALWAYS TEST a small area of each surface to confirm suitability and desired results before starting overall application. Test with the same equipment, recommended surface preparation and application procedures planned for general application.

Application Instructions

Wait at least 3 hours after freshly poured concrete has received final finishing, and all surface water is gone before applying SingleStep.

1. Apply a single saturating coat. Use enough to keep the surface wet for a few minutes before full penetration.
2. Broom out pools and puddles until they penetrate.
3. If needed for film uniformity, apply a second coat 24 hours after the first.

Drying Times

SingleStep dries to touch in 2 hours. Protect freshly treated concrete from foot traffic for 8 hours, and from water and traffic for at least 24 hours. Treated surfaces develop their chemical resistance in seven days.

Cleanup

Clean equipment with mineral spirits.

SingleStep

SAFETY INFORMATION

Consolideck® SingleStep is a solvent-carried product and may cause symptoms typical with organic solvent exposures. This is a combustible material. Use appropriate ventilation, safety equipment and job site controls during application and handling. Read the full label and MSDS for precautionary instructions before use.

First Aid

Ingestion: If swallowed, call a physician immediately. **ASPIRATION HAZARD:** Do not induce vomiting or give anything by mouth. Only induce vomiting at the instructions of a physician. If vomiting occurs, keep head below waist to prevent entry of liquid into lungs.

Eye Contact: Rinse eyes thoroughly for 15 minutes. Get medical assistance if irritation persists.

Skin Contact: Rinse thoroughly with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.

Inhalation: Remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get immediate medical attention.

24-Hour Emergency Information:
INFOTRAC at 800-535-5053

WARRANTY

The information and recommendations made are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application of our products, nor anticipate every variation encountered in masonry surfaces, job

conditions and methods used. The purchasers shall make their own tests to determine the suitability of such products for a particular purpose.

PROSOCO, Inc. warrants this product to be free from defects. **Where permitted by law, PROSOCO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose.** The purchaser shall be responsible to make his own tests to determine the suitability of this product for his particular purpose. PROSOCO's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which defective product has been applied. Acceptance and use of this product absolves PROSOCO from any other liability, from whatever source, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of PROSOCO, its distributors or dealers.

CUSTOMER CARE

Factory personnel are available for product, environment and job-safety assistance with no obligation. Call 800-255-4255 and ask for Customer Care - technical support.

Factory-trained representatives are established in principal cities throughout the continental United States. Call Customer Care at 800-255-4255, or visit our web site at www.prosoco.com, for the name of the Consolideck® representative in your area.

BEST PRACTICES

Use the appropriate Consolideck® concrete prep cleaner to remove contaminants from existing concrete before applying SingleStep. Stains and soiling may interfere with penetration.

For recommendations on removing stains and coatings, visit www.prosoco.com, call PROSOCO technical Customer Care toll-free at 800-255-4255 or contact your local PROSOCO field representative.

Always saturate the surface uniformly. Give the treatment a few minutes to penetrate, but brush out pools and puddles quickly.

Never go it alone. If you have problems or questions, contact your local PROSOCO distributor or field representative. Or call PROSOCO technical Customer Care, toll-free, at 800-255-4255.