



**PROSOCO**®

You. Us. The project.

# SingleStep®

PROSOCO SingleStep® is an acrylic-silane blend for curing and weatherproofing new and existing concrete in one easy step. SingleStep® quickly penetrates to form 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 sidewalks.

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.

## REGULATORY COMPLIANCE

### VOC Compliance

PROSOCO SingleStep® is compliant with the US Environmental Protection Agency's AIM VOC regulations.

Visit [www.prosoco.com/voccompliance](http://www.prosoco.com/voccompliance) to confirm compliance with individual district or state regulations.

## SAFETY INFORMATION

Always read full label and SDS for precautionary instructions before use. Use appropriate safety equipment and job-site controls during application and handling.

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

## ADVANTAGES

- Effectively cures new concrete.
- Keeps harmful de-icing salts out of concrete.
- 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).

## Limitations

- May show rubber burns.
- Not gasoline resistant.
- Do not use on carbonated concrete.
- Not designed for application to asphaltic or painted surfaces. Always test.
- Not for surfaces set for coatings or bonded overlays.
- Not for use around pools or fountains.
- Will not prevent water penetration through structural cracks, defects or open joints.
- Not recommended for below-grade application.
- Not suitable for sale in districts and states with more restrictive AIM VOC regulations.

## TYPICAL TECHNICAL DATA

<b>FORM</b>	Clear, colorless liquid
<b>SPECIFIC GRAVITY</b>	0.88
<b>pH</b>	not applicable
<b>WT/GAL</b>	7.32 lbs
<b>ACTIVE CONTENT</b>	24%
<b>TOTAL SOLIDS</b>	25%
<b>VOC CONTENT</b>	700 g/L maximum
<b>FLASH POINT</b>	>100° F (>38° C)
<b>FREEZE POINT</b>	no data
<b>SHELF LIFE</b>	2 years in tightly sealed, unopened container

# Product Data Sheet

## PROSOCO 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.

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.

Concrete surfaces must be clean and structurally sound.

For new concrete, wait at least 3 hours after freshly poured concrete has received final finishing, and all surface water is gone before application.

Existing concrete should be clean and dry before treatment. Remove all foreign materials including bond breakers, curing agents, surface grease and oil, and construction debris before application. Use the appropriate PROSOCO surface prep cleaner.

### Surface and Air Temperatures

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

### Equipment

Recommended application is by high volume, low-pressure spray (<50 psi). Fit spray equipment with neoprene fittings. Fan spray tips are recommended to avoid atomization of the material.

For small scale application, or when spray application is not appropriate, product may be applied using brush or roller. Contact Customer Care or your local PROSOCO representative for more information.

Application equipment 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

Read “Preparation” and the Safety Data Sheet before use. **ALWAYS TEST** a small area of each surface to confirm suitability, coverage rate and desired results before beginning overall application. Include in the test area any previous repairs and patches, including aesthetic cementitious finishes. Different surface compositions may result in absorption and/or appearance differences. Test with the same equipment, recommended surface preparation and application procedures planned for general application. Let surface dry thoroughly before inspection.

### Dilution & Mixing

Apply as packaged. Do not dilute or alter. Stir or mix well before use.

### Typical Coverage Rates

Coverage rates vary based on texture and porosity of surfaces. The following is a guide for estimates only. Do not over apply. Always test.

#### *New & Existing Concrete*

1st Coat: 300–400 sq.ft./gal (28–37 sq.m./gal)

2nd Coat: 400–600 sq.ft./gal (37–56 sq.m./gal)

### Application Instructions

#### *New Concrete*

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

1. Using a low-pressure sprayer, apply a thin, uniform coat without producing puddles. Do not over apply.
2. Allow product to dry tack free. If needed for film uniformity, apply a second coat 24 hours after the first. Two light coats are preferable to one heavy coat.

**NOTE:** When applying to sidewalks, best practice is to apply SingleStep® to the vertical edges after the form work has been removed.

#### *Existing Concrete*

Application may begin as soon as prepared surfaces are dry and free of ponded water.

1. Using a low-pressure sprayer, apply a thin, uniform coat without producing puddles. Do not over apply.
2. Allow product to dry tack free. If needed for film uniformity, apply a second coat 24 hours after the first. Two light coats are preferable to one heavy coat.

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## Drying Time

SingleStep® dries to the 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 xylene or other appropriate solvent.

## 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 website at [www.prosoco.com](http://www.prosoco.com), for the name of the PROSOCO representative in your area.

## BEST PRACTICES

Concrete surfaces must be clean and structurally sound. Remove all foreign materials including bond breakers, curing agents, surface grease and oil, and construction debris before application. Stains and soiling may interfere with penetration.

Use the appropriate PROSOCO concrete prep cleaner before application. For product recommendations, visit [www.prosoco.com](http://www.prosoco.com), call PROSOCO technical Customer Care at 800-255-4255 or contact your local PROSOCO field representative.

For new concrete, wait at least 3 hours after freshly poured concrete has received final finishing, and all surface water is gone before application.

Recommended application for PROSOCO protective treatments is high volume, low-pressure (<50 psi) spray equipment with a fan-type spray tip and adjustable pressure to avoid atomization of the material.

For small scale application, or when spray application is not appropriate, brushes or roller may be used. Contact Customer Care or your local representative for more information on brush/roller application.

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

