



PROSOCO®

Consolideck®

CONCRETE FLOORING PRODUCTS

# First Cut with Densifier

Consolideck® First Cut with Densifier is a water-based blend of surfactants and silicates applied to the concrete surface prior to and during wet-grinding. The formulation is specially designed to penetrate and react with concrete, leaving a harder and denser surface after grinding. By minimizing scratches, First Cut with Densifier reduces the amount of time spent with each metal and lower grit resin-bound diamond tooling, shortening the overall project timeline and extending the life of the diamonds.

Using a special blend of surfactants, First Cut with Densifier lifts concrete slurry solids away from the surface, suspends them and clears the path for the diamonds. This keeps the slurry solids from interfering with the ability of the diamonds to remove the concrete surface, increasing efficiency. First Cut with Densifier combines the technologies of surfactants and silicates to perform as both a grinding aid and concrete hardener.

## TYPICAL TECHNICAL DATA

<b>FORM</b>	Clear, water-like liquid
<b>SPECIFIC GRAVITY</b>	1.05
<b>pH</b>	11.3
<b>WT/GAL</b>	7.9 lbs
<b>ACTIVE CONTENT</b>	not applicable
<b>TOTAL SOLIDS</b>	not applicable
<b>VOC CONTENT</b>	<0.5%
<b>FLASH POINT</b>	>212° F (>100° C) ASTM D3278
<b>FREEZE POINT</b>	32° F (0° C)
<b>SHELF LIFE</b>	2 years in tightly sealed, unopened container

## ADVANTAGES

- Minimizes scratches created during lower grit diamond tooling steps.
- Ideal for power trowel polishing.
- Penetrates and reacts quickly to harden the surface.
- Makes post-grinding clean up easier.
- Lifts and suspends slurry solids away from diamond tooling, allowing for faster bulk removal of concrete surface during grinding.
- Increases efficiency.
- Reduces labor and tooling costs.
- Extends the life of diamonds and shortens the project timeline.
- Works well on new or existing concrete.
- Treated surfaces are easier to maintain.
- VOC-compliant. Non-flammable. Non-toxic.

## Limitations

- For use with wet grinding only.
- Do not allow concrete to dry during process.

## 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**

## REGULATORY COMPLIANCE

### VOC Compliance

Consolideck® First Cut with Densifier is compliant with all national, state and district VOC regulations.

# Product Data Sheet

## Consolideck® First Cut with Densifier

### PREPARATION

Protect people, vehicles, property, plants and all adjacent or nearby surfaces from the product, splash and wind drift. Use polyethylene or other proven protective material.

All surfaces must be clean and free of grease, oil, dust, dirt or standing water, etc. Surfaces must be clean, dry and absorbent.

Confirm surface absorbency with a light water spray – surfaces designated for treatment should wet uniformly. If the surface does not wet uniformly, use the appropriate PROSOCO surface preparation cleaner or mechanical process to remove remaining surface contaminants. Stains and soiling may interfere with penetration. For recommendations, call PROSOCO Customer Care at 800-255-4255.

### Surface and Air Temperatures

Temperatures should be at least 40° F (4° C) and below 90° F (32° C) during application.

### Equipment

Apply using low-pressure sprayer.

Consolideck® First Cut with Densifier may also be poured onto the floor from the container and spread with a soft-bristled push broom.

First Cut with Densifier can be used with an autoscrubber.

### Storage and Handling

Store in a cool, dry place. Keep tightly closed 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. Test with the same equipment, recommended surface preparation and application procedures planned for general application. Let surface dry thoroughly before inspection.

### Dilution & Mixing

Do not dilute or alter. Use as packaged.

Mix well before use.

### Typical Coverage Rates

Variations in concrete quality, porosity, job-site conditions, temperature and relative humidity will affect coverage rates and drying times. Calculate the Target Coverage Rate by testing a representative section of the prepared surface using the published application instructions.

First Cut with Densifier is packaged and sold in 5-gallon containers.

- **First Application:**  
300–600 sq.ft. (28–56 sq.m.) per US gal
- **Subsequent Application(s):**  
600–1000 sq.ft. (56–93 sq.m.) per US gal

### Application Instructions

**Consolideck® First Cut with Densifier should only be used when wet-grinding concrete floors.** For best results, apply PROSOCO’s LS/CS® or Blended Densifier per product data sheet instructions prior to final grinding step.

The following instructions are guidelines that can be modified for specific equipment, job-site conditions or personal experience.

1. Wet concrete surface with water.
2. Apply First Cut with Densifier by low-pressure spray or pour and spread with a soft-bristled push broom on the floor. Saturate the floor, but do not create puddles.
3. Wet-grind the floor starting with lowest grit diamonds specified. Keep floor wet to create thick foam of slurry.
4. If floor starts to dry while grinding, re-saturate with water. Do not allow floor to completely dry.
5. After each grinding level, clean the floor with fresh water; solution and slurry should be removed/vacuumed up. If thoroughly cleaned, the floor can dry between grinding levels. NOTE: If an autoscrubber is used, a commercially available defoamer may be added to the recovery tank.
6. Reapply First Cut with Densifier, following steps 1–5 above.
7. When finished, remove/vacuum up all solution and slurry. Clean the floor with fresh water, and allow to dry.

### Cleanup

Clean tools and equipment using fresh water.

# Product Data Sheet

## Consolideck® First Cut with Densifier

### 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-site 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.

