

03 30 00 Cast-In-Place Concrete  
 03 35 00 Concrete Finishing  
 03 35 10 Special Concrete Finishing Repair

PRODUCT DATA SHEET

PROSOCO  
 SINCE 1939

**CONSOLIDECK®**  
 HIGH PERFORMANCE CONCRETE

# Grind-N-Fill

*liquid crack and gap filler for concrete grinding and polishing*

**SCS**certified™

**INDOOR AIR QUALITY**  
 Indoor Advantage | Building Materials  
**GOLD**

## OVERVIEW

Liquid Consolideck® Grind-N-Fill mixes with the dust created while grinding concrete floors to create a super-durable matrix that automatically fills pinholes, small air voids and pop-outs, micro-cracks and other gaps in the concrete surface during grinding.

Grind-N-Fill creates a monolithic surface that polishes faster, easier and more effectively. With gaps and imperfections filled, the floors accept hardener/densifiers, protective treatments and color-stains and hardeners more evenly.

Low-odor, VOC-compliant Grind-N-Fill also makes floors easier to maintain by eliminating the tiny nooks and crannies in concrete that trap and accumulate soil and other contaminants.

The easy-to-apply treatment dries fast and is suitable for any floor undergoing grinding, from warehouse-industrial to highly polished aesthetic floors.

## SPECIFICATIONS

For all PROSOCO product specifications, visit [www.prosoco.com](http://www.prosoco.com) and click on "SpecBuilder" or "Solution Finder."

## ADVANTAGES

- Easy application with pump-up sprayer. Or just pour and spread with a soft push broom.
- Automatically fills gaps, voids and pop-outs during grinding operations.
- Quickly cures to concrete hardness.
- Dilutable with clean water to meet a variety of job site and equipment conditions
- Treated surfaces polish faster and easier.
- Protective treatments, colorants and other applications go on more smoothly and evenly.
- Treated floors are easier to maintain; less likely to trap dirt and other contaminants.
- Complies with all known AIM VOC regulations.
- Conforms to leading green building standards and code criteria.

## Limitations

- Do not freeze.

## REGULATORY COMPLIANCE

### VOC Compliance

Consolideck® Grind-N-Fill 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	Milky white liquid, low odor
SPECIFIC GRAVITY	1.01
pH	No data
WT/GAL	8.40 lbs
ACTIVE CONTENT	Not applicable
TOTAL SOLIDS	Not applicable
VOC CONTENT	100 g/L
FLASH POINT	>212° F (>100° C)
FREEZE POINT	32° F (0° C)
SHELF LIFE	1 year in tightly sealed, unopened container

## PREPARATION

Protect people, vehicles, property, plants and all adjacent or nearby surfaces not designed to receive lithium densifier from the product, splash and wind drift. Use polyethylene or other proven protective material.

## Surface and Air Temperatures

Surface and air temperatures should be at least 50° F (10° C) and below 90° F (32° C) during application.

## Equipment

Apply using low pressure sprayer.

Grind-N-Fill may also be poured onto the floor from the container or a bucket and spread with a soft bristled push broom.

## Storage and Handling

Keep from freezing. Store in a cool, dry place. Always seal container after dispensing. Do not alter or mix with other chemicals. Published shelf life assumes upright storage of factory-sealed containers in a dry place. Maintain temperatures of 40–100° F (4–38° C). Do not double stack pallets. Dispose of in accordance with local, state and federal regulations.

## APPLICATION

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

**ALWAYS TEST** each surface for suitability and results before overall application. Use the following application instructions. Let surface dry thoroughly before inspection.

## Dilution & Mixing

Apply as packaged. Do not dilute or alter, or use other than as specified.

Stir material thoroughly before application.

If diamonds gum up or glaze over, dilute Grind-N-Fill with up to 50 percent water. This may also help on concrete slabs that are hot and dry.

## Typical Coverage Rates

Coverage varies based on substrate porosity and texture. Always test. Typical coverage is:

- 200–400 sq. ft. per gallon.
- 19–37 sq. m. per gallon

## Application Instructions

Consolideck® Grind-N-Fill should be applied close to or during the final stage of metal grinding operations.

Always test to determine best practices for job site conditions.

1. If the grinder is connected to a vacuum hose, disconnect it. Disconnecting the vacuum prior to application helps get dust into the product for a smooth, thick filler.
2. Apply Grind-N-Fill by spray, or pour-and-spread with a soft push broom, on the floor immediately in the grinder's path. Coat floor up to 10 feet or less in front of the grinder. Saturate the floor, but do not create puddles.
3. Grind the wet floor until dry. Ensure the grinder reaches treated areas before Grind-N-Fill dries.
4. Let the floor dry 2–12 hours for maximum curing.
5. Reconnect vacuum hose (if needed) and continue grinding and polishing.

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

## Dry Time

Let the floor dry 2–12 hours for maximum curing. Longer dry times are recommended for maximum cure.

## Cleanup

Clean tools and equipment with soap and water.

## 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.

## SAFETY INFORMATION

Consolideck® Grind-N-Fill is a water carried acrylic coating. Use appropriate safety equipment and job site controls during application and handling. Protect workers from dust during post-application grinding. Read full label and MSDS for precautionary instructions before use.

## First Aid

**Eye Contact:** If in eyes, flush with large amounts of water for 15 minutes, holding eyelids apart to ensure flushing of the entire eye surface. If irritation persists, get medical attention.

**Skin Contact:** Wash exposed area with soap and water. Hand creams should be used to prevent dry skin. If skin irritation, reddening or a rash occur, get medical attention.

**Inhalation:** Remove to fresh air. Flood work area with fresh air. Get medical assistance if ill effects persist.

**Ingestion:** Get immediate medical attention.

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

# Grind-N-Fill

## **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](http://www.prosoco.com), for the name of the Consolideck® representative in your area.

## **BEST PRACTICES**

Refer to the website product data sheet at [www.prosoco.com](http://www.prosoco.com) for the most current information and application instructions.

Apply Grind-N-Fill in the later stages of metal-bond grinding, or the first stages of resin-bond grinding, but **BEFORE** polishing and hardening/densifying.

Apply with low-pressure pump-up sprayer, or by pouring on the floor in front of the grinder. Spread with a soft-bristle push broom. Saturate the floor, but do not let Grind-N-Fill puddle or dry.

Grind until dry. Check to see that the floor the grinder has just gone over is dry before moving on during grinding operations.

If the floor shows signs of turning black, product application is too thick. Correct by applying clean water with a low-pressure sprayer and grinding off excess product.

Test an approximately 4 square-foot area representative of the floor to be ground. Check to see that Grind-N-Fill smoothly and evenly fills spaces in the concrete. During testing, also check to see if diamonds are gumming up or glazing over.

Deal with gumming/glazing by diluting Grind-N-Fill with clean water. Dilute Grind-N-Fill with up to 50% water. Diluting Grind-N-Fill with water may also be effective when working on hot, dry concrete slabs.

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.

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