



## PRODUCT NAME

RetroGrind™

## MANUFACTURER

Advanced Floor Products  
P.O. Box 50533  
Provo, UT 84605

## PRODUCT DESCRIPTION

RetroGrind™ is a revolutionary, neutral pH concrete cutting compound that can finish a floor in as little as 2 to 3 grinding steps. When compared to the traditional 8-step polishing method, RetroGrind not only saves money, but produces superior results.

RetroGrind can be used on new and existing densified floors and will penetrate most hardeners on the market including, lithium, sodium, and potassium hardeners. It can also remove metal scratches left in the slab from previous polishing attempts.

## BENEFITS

- Requires fewer grinding steps to process the floor
- Reduces consumable cost and labor
- Effective on both new and existing densified concrete floors
- Removes metal scratches left from previous polishing attempts

## TECHNICAL DATA

### Packaging

#### 5 Gallon Kit (19 L)\*

\*Consists of 4 gallons (15.2 L) of Part A in a 5 gallon (19 L) pail and 1 gallon (3.8 L) of Part B in a 1 gallon (3.8 L) container.

#### 55 Gallon Kit (208 L)\*\*

\*\*Consists of 50 gallons (190 L) of Part A in a 55 gallon (208 L) drum and 5 gallons (19 L) of concentrated Part B in a 5 gallon (19 L) pail.

### Coverage

The recommended coverage rate is 400 ft<sup>2</sup>/gal. (9.8 m<sup>2</sup>/L). Using less product than recommended can produce inferior results.

## AVAILABILITY AND INSTALLATION

RetroGrind™ is installed by a network of factory approved applicators as part of the RetroPlate® Concrete Polishing System. Contact your Advanced Floor Products representative for a list of approved applicators in your area.

## TECHNICAL SERVICES

Contact Advanced Floor Products at (801) 812-3420 or toll free at (888) 942-3144.

For industrial use only. Must be applied by a qualified applicator. Contact Advanced Floor Products for specific application directions.

## MSDS

For MSDS information, please visit: <http://www.bluedrum.com/hosted/RetroGrind-MSDS.pdf> or scan the code below.



## PREPARATION AND USE

Due to the wide variety of substrates, preparation methods, application methods and environments, please test the product in an inconspicuous spot for compatibility prior to full scale application.

Test the absorbency of the substrate by sprinkling water in a variety of areas across the entire surface to get an average condition. If the water penetrates into the substrate quickly, it is ready to accept RetroGrind. If the water beads up or does not wet out, the surface has some type of sealer/coating applied to it.

Any membrane forming curing compounds or coatings should be removed before application of RetroGrind.

All surfaces must be clean and free of grease, oil, dust, dirt, etc. Cover and protect any surrounding areas to protect from undesirable oversplash. To clean, use *\*CreteClean Plus with Scar Guard™* per label directions, and rinse thoroughly. If mold, mildew, or fungus is present, kill and remove prior to applying RetroGrind.

For the best protection on concrete and masonry, patch and repair damaged holes, cracks and crevices. Use *\*CreteFill Pro Series™ Joint Fillers and Repair Products* per label directions.

## MIXING INSTRUCTIONS

1. **5-Gallon Kit:** Pour **unconcentrated** "Part B" into "Part A".  
*NOTE: Non-concentrated "Part B" can not be substituted for use with the 55-gallon kit.*  
**55-Gallon Kit:** Pour **concentrated** "Part B" into "Part A".  
*NOTE: Concentrated "Part B" can not be substituted for use with the 5-gallon kit.*
2. Mix well.
3. Product is ready to be applied.
4. Must use within 60 days after mixing.

## APPLICATION INSTRUCTIONS

1. Test floor to make sure that water will penetrate the surface.
2. It may be necessary to initially grind or strip the surface to increase porosity.
3. Thoroughly saturate the slab with water. Apply RetroGrind™ and allow it to be absorbed.
4. Identify high spots and re-apply RetroGrind to these areas as necessary.
5. After the product has set for a minimum of 30 minutes, begin wet grinding. The recommended coverage rate is 400 ft<sup>2</sup>/gal. (9.8 m<sup>2</sup>/L). Using less product than recommended can produce inferior results.

Pre-treatment and floor saturation can be done as much as 24 hours prior to application, depending on environmental and surface conditions. The longer the product is kept wet, the softer the concrete will be.

6. RetroGrind must be wet in order to work. It will not cut when it is dry. RetroGrind can appear dry on the surface and still be wet in the slab. If RetroGrind is still wet in the slab, it can be reactivated. After RetroGrind has dried completely within the slab, it can not be reactivated. The floor will not polish if the RetroGrind is still wet.
7. If using the pre-treatment method, reapply water or RetroGrind to keep solution active.
8. Wet grind the floor using a straight edged diamond. Rate of desired aggregate exposure will dictate diamond selection.
  - a. Tool shape, head speed, and machine weight or down pressure should be analyzed and adjusted according to the exposure desired.
  - b. During the initial wet grinding steps, slurry should build to a froth with the appearance similar to shaving cream in consistency. Do not allow slurry to dry. Add water until froth appears.

- c. Keep active slurry on the floor until desired depth of cut has been achieved.
9. Normally, 2 slow passes are enough, but this will be dictated by the damage on the surface. If slurry is sticking to the floor, another pass may be needed. As you come to the end of this step, allow the slurry to thicken. Dispose according to local regulations.
  10. Clean the floor with a squeegee or with a quick pass with an auto scrubber using minimal head pressure. Lightly applying RetroGrind™ either with a Hudson sprayer or in the cleaning solution is an excellent way to break up the slurry on the floor.
  11. Re-clean the floor with water.
  12. Pass floor with a resin bonded diamond (100 - 200 grit recommended).
  13. Clean the floor with water.
  14. Apply *\*RetroPlate®* according to the manufacturer's instructions.
  15. Dry polish floor to desired finish.
  16. If desired, protect floor using *\*RetroGuard™* according to manufacturer's instructions.
  17. Burnish

## APPLICATION INSTRUCTIONS SPECIAL NOTES

- The shape of the tool dictates the rate of stock removal. The sharper the edge, the more stock will be removed. The shape of the tool can be more important than the size of the abrasive.
- As long as RetroGrind™ is wet, it will not polish. It will continue to cut the floor.
- *RetroPlate®* must be used to densify all floors treated with RetroGrind™.
- **Clean Up:** Clean spills, splatters, hands and tools immediately after use with soap and warm water.
- **Maintenance:** Routine sweeping, mopping, washing and mechanical scrubbing of floors with *\*CreteClean Plus with Scar Guard™* per label directions and as recommended. DO NOT USE CLEANERS THAT ARE ACIDIC OR THAT HAVE A SODIUM HYDROXIDE BASE.

## CAUTION

Do not allow RetroGrind™ to freeze.  
Do not ingest. Non-flammable. Non-hazardous.

## \*SUPPORTING PRODUCTS

Contact Advanced Floor Products for more information on supporting products:

- *CreteClean Plus with Scar Guard™*
- *CreteFill Pro Series™ Joint Fillers and Repair Products*
- *RetroPlate®*
- *RetroGuard™*