Rhino™

EPOXY FLOOR COATING

Rhino™ Epoxy Application Instructions

Items needed:

Stiff Bristle Broom (acid resistant)

9" Roller Frame with Handle

9" Roller Cover 1/2" Nap

A 2-3" Brush or Paint Edger

2 Gallon Plastic Watering Can

Rubber Gloves

Protective Eyewear and Footwear

Heavy Duty Degreaser (for areas saturated with oil/grease)

SURFACE PREPARATION

Preparing your concrete floor is the MOST important part of an epoxy floor. The floor must be porous and the surface must be dry, clean and free of dirt, oil, grease or any other loose materials. For maximum adhesion, the floor will need a rough surface.

To open the pores of the concrete floor, acid etching is recommended. Acid etching opens up the pores of the concrete floor to allow the epoxy to penetrate the floor, thus allowing the base coat to adhere securely.

Steps:

1. Sweep/vacuum the floor.
2. Remove saturated oil and grease spots using a heavy duty degreaser and rinse. (Repeat as needed.)
3. Acid etch. (See instructions below.)
4. Allow the floor to dry completely.
5. Sweep/vacuum the floor.

Note: *If the floor is previously coated or sealed, the coating or sealant must be removed. Epoxy will not adhere properly to a sealed or coated floor. To determine if the floor has been sealed, pour a small amount of water on the floor. If the water beads up, the floor is sealed and the sealant will need to be removed using a shot blaster or dustless grinder. If the water penetrates into the floor, the floor is ready for the epoxy coating.*

ACID ETCH AND RINSE INSTRUCTIONS

Acid etching is recommended on smooth concrete surfaces to open the pores to allow the epoxy coating to get good adhesion.
WARNING: Wear protective gloves, footwear and eyewear.

Steps:

1. Mix entire container of citric acid concentrate with 2 gallons of water. Mix until dissolved.
2. Dampen the concrete floor with water, before applying the acid solution. (Make sure there are no puddles.)
3. Use a 2 gallon plastic watering can to distribute the acid solution evenly.
4. Spread the solution onto the dampened, concrete floor over a 10' x 10' section of floor.
5. Scrub the acid solution vigorously over the floor using an acid-resistant, stiff-bristled broom. Allow the acid solution to sit on the floor and work for 7-10 minutes to etch the concrete floor. **Do not** allow any areas of the floor to dry during this process. If this occurs, add more water or acid solution to keep the floor wet.
6. Rinse the concrete floor thoroughly to remove any acid solution remaining. For best results, rinse at least twice to remove any cleaner, dirt or contaminates. The acid solution will not harm plants or grass if rinsed thoroughly.
7. Allow the floor to dry completely.
8. Ensure the floor is clean from any dust or contaminants by wiping your fingers across the floor. If dust or contaminants remain, rinse and scrub until the floor is clean.

Note: *The floor must be thoroughly cleaned and completely rinsed, otherwise the coating may not adhere properly to the concrete floor.*

RHINO™ EPOXY APPLICATION

Mixing Instructions:
Slowly add Part B to Part A. Stir thoroughly and scrape sides of can to ensure thorough blending. Allow the mixed material to set 30 minutes for “induction” time. Always re-stir before use. Mixed material is usable for three to four hours.

Applying Rhino Epoxy:
A good quality 1/2" nap roller is recommended. Use a 2-3" brush or paint edger for applying in small areas of “cutting in”. ***Do not apply when surface or air temperature is below 50°F (10°C).***

Steps:

1. After material is thoroughly mixed, start in the corner furthest away from the exit of the room. Use a brush or paint edger to cut in along the walls and use a roller to roll material on floor surfaces away from the wall.
2. After coating approximately a 5' x 5' section from the starting point, you should begin to apply the chips. It is necessary to apply the chips within a few minutes as Rhino Epoxy begins to dry within 10 minutes after rolling. Try to keep a “wet edge” to prevent paint lines and roll in the same direction.
3. Chips are applied by tossing them upward toward the ceiling allowing them to float down into the wet base coat. Use very small pinches of chips at a time in a “feeding the chickens” type broadcast to ensure excessive amounts aren’t placed on the wet epoxy at one time. Remember you have enough chips to cover only 250 sq.ft.
4. Continue coating onto the adjacent sections and broadcasting chips until entire floor is complete.

Note: Do NOT drop chips in handfuls directly down on the floor. *Once chips are placed, they cannot be moved. Chips can be coated over if you applied chips unevenly; however, mounds or piles of chips cannot be fixed easily.*

Tip: *Since you only have a few minutes to apply the chips and maintain a wet edge, have an extra person to cut-in and apply the chips while the other person rolls the Rhino Epoxy.*

Application temperature range is 60°-95°F. At 77°F (25°C) dries to touch in two hours and may be able to recoat in 12–16 hours.

ADDITIONAL INFORMATION

Dry Time:
The floor should be ready for light foot traffic within 12-16 hours. Please wait 24-48 hours before heavy foot traffic. For a full cure and vehicle traffic, please allow 7 days. Temperature and humidity may affect actual dry time.

Clean Up:
Clean all tools with warm water and mild detergent. Allow any unused product to harden in the container and discard according to local regulations.

KEEP OUT OF REACH OF CHILDREN
DO NOT TAKE INTERNALLY

SAFETY INFORMATION:
Rhino™ Epoxy is a water-based epoxy. Avoid contact with skin and eyes. For skin contact, wash affected area with soap and water and rinse well.

FIRST AID:
In case of contact with eyes, flush with water for 15 minutes.
If swallowed, do not induce vomiting. Drink plenty of water.
CONTACT A PHYSICIAN IMMEDIATELY IN BOTH EVENTS.

TECHNICAL SUPPORT:
For any questions or comments call Rhino Epoxy Tech Support, Monday through Friday between 8:00am to 5:00pm PT at 1-866-447-1471. (toll free)

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