

• TRUSTED QUALITY SINCE 1921 •

# RUST-OLEUM® EPOXYShield®

## GARAGE FLOOR

### INSTRUCTION SHEET

Read all instructions carefully before starting project.

For more details and application tips please go to [epoxyshield.com](http://epoxyshield.com).

To ensure best performance, **DO NOT PAINT IF THE FOLLOWING CONDITIONS EXIST:**

- **Sealed concrete** - Determine if there is a concrete sealer present by dripping a small amount of water onto various areas of the surface. If the water beads, a sealer is present and paint may not adhere properly.
- **Poorly-bonded previous paint** - If the floor is previously painted, remove any loose paint by sanding and scraping. Test the adhesion of the remaining paint on the surface by doing the following:
  1. With a single-edged razor blade, cut an X through the coating and down to the concrete.
  2. Apply a 4" piece of duct tape over the X and press firmly.
  3. Completely remove the tape with one quick pull.
  4. If more than 25% of the taped area is removed with the tape, the original coating is not adhering well, and the floor should not be coated with EPOXYShield unless all previous paint is removed using a concrete floor sander or suitable paint stripper.
- If previous coating is well bonded, scuff sand the surface after cleaning to ensure a tight bond between the two coatings. Rinse thoroughly.
- **WARNING!** If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).
- **Moisture in the concrete** - Apply a 2' x 2' sheet of plastic (such as a heavy-duty garbage bag or 1 gallon plastic storage bag) to an area of the garage floor. Tape down the edges with duct tape and allow to set for 24 hours. If water droplets appear on the inside of the plastic or if concrete appears wet (darker in color), moisture is trapped in the concrete and the floor should not be painted.
- **Loose or poorly cured concrete or concrete dust** - If the concrete is loose, chipping (spalled), or has concrete dust present, the coating will not perform properly unless all loose material and dust is removed and damaged areas repaired.

For use in covered garage area only. Not intended for carports or areas exposed to direct sunlight. Allow newly poured concrete to cure for a minimum of 28 days prior to coating. Apply when air (ambient) temperature is 60-85°F and relative humidity is below 80%. Concrete floors take a long time to warm up; make sure the previous day has also been at least 60°F prior to painting. Minimum floor temperature for painting is 55°F. Painting in mid-afternoon ensures the best cure. **Store kit in a cool place (below 80°F) before use;** storage at higher temperatures will shorten the working time of the coating (pot life).

#### Preparation Instructions

**Preparation is critical to performance.**

Remove any oil or grease spots on your floor. Use a scrub brush and a cleaner/degreaser or use a solvent such as mineral spirits. Scrub the spot thoroughly and wipe up excess cleaner with rags or paper towels to keep contaminants from spreading. Rinse thoroughly with fresh water. Repeat as necessary to completely clean.

Mix all concentrated cleaner with 2 gallons of water. Mix until dissolved. This cleaning solution contains a mild citric acid. Note: Do not use muriatic acid. For best results, use a plastic watering can to evenly distribute solution.

Pre-wet the floor using a hose. Remove pooled water with a squeegee or broom to avoid leaving puddles. Spread the cleaner mixture over a 10' x 10' section of the floor. Scrub vigorously with a stiff bristle brush to loosen dust and dirt. While working, keep the entire section wet until the entire section has been cleaned and rinsed.

Rinse each section thoroughly before starting the next section. For best results, use a foam squeegee to remove the rinse water from the surface and to move dirt and contaminants out of the garage. Repeat twice before continuing to the next section. Once all sections are completed, rinse and squeegee the entire garage floor to remove any cleaner that has been tracked on previously cleaned areas. A wet/dry vacuum can also be used to eliminate excess water, dirt and contaminants. Do not leave pooled water on the floor. The cleaner will not discolor driveways or harm grass or plants if rinsed thoroughly.

Allow the floor to dry completely. Wipe your fingers over the clean, dry floor. □ If you see any dust or powder on your fingers, repeat the rinsing and scrubbing until the floor is clean. If your fingers remain clean, continue to the next step.

**Note: If the floor is not thoroughly cleaned and completely rinsed, the coating may not adhere properly to the surface.**

#### EPOXYShield Mixing

Do NOT mix the decorative paint chips with EPOXYShield. Pour all of Part A into Part B and stir thoroughly for at least 3 minutes. (Note: Parts A and B must be mixed as stated.) **See charts for appropriate application times and pot life.** Do not leave container in direct sunlight. Mix again before applying. Note: Painted floors may be slippery when wet. If desired, anti-slip additive may be added to the mixed coating (follow manufacturer's directions). **If using more than one kit, do not mix kits at the same time. To ensure even gloss and color, the coating must be applied within the times stated on the charts.**

#### EPOXYShield Application

After the standing time indicated on the charts, use a good quality synthetic brush to trim edges (if desired). Work quickly so as not to impact the time remaining for rolling the surface. After the appropriate standing time for rolling, use a 1/2" nap roller cover and 9" roller frame to apply an even coat of EPOXYShield onto the surface. Apply in 4' x 4' sections so that the decorative paint chips can easily be scattered on the freshly coated surface. Maintain a wet edge to prevent lap marks and gloss differences. Toss the decorative paint chips onto the wet film. This step may be skipped if chips are not desired. This will not affect the performance of the coating. Immediately continue to coat the next section. (Note: Fresh paint can be applied over the loose chips that lay outside the previously painted area.) Only one coat is necessary. **This product must be used within the pot life indicated. If product is used beyond the recommended pot life, the coating may appear to have uneven gloss and color. Do not leave container in direct sunlight.**

Application Tip: Since you only have between 1-2 hours (depending on temperature) to use the mixed paint, have 1 person begin trimming edges □ (if desired) and have another person begin rolling out the floor as specified □ on the charts at right.

#### Dry Time

Surface should be ready for light foot traffic in 12-16 hours, heavy items and □ normal foot traffic in 24-48 hours. FOR FULL CURE AND VEHICLE TRAFFIC, ALLOW 7 DAYS. Temperature and humidity may affect actual dry time.

#### EPOXYShield Clean-Up

Wash all tools and equipment immediately with warm water and mild detergent. Allow any unused product to harden in the container and discard according to local regulations.

#### EPOXYShield Coverage

Each EPOXYShield kit contains enough surface treatment to cover approximately 250 square feet of smooth, bare concrete (a normal 1 car concrete garage floor). Very rough or porous concrete may require more material. Expect coverage of 125-200 square feet on those surfaces.

#### Safety Information

##### 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 cold water for 15 minutes. If swallowed, do not induce vomiting. Drink 1-2 glasses of water or milk. Contact a physician immediately.

**KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.**

#### Rust-Oleum Technical Support

For any questions or comments, call the EPOXYShield toll-free Technical Support line between 7:30 am - 5:00 pm CST at 1-888-NUFLOOR (683-5667).

#### If temp is 60-70°F

Allow product to stand after mixing

Start brushing (trimming edges): □ 30 minutes after mixing

Start rolling: □ 45 minutes after mixing

Use all mixed product within (pot life): 2 hours after mixing

Best time to paint is mid-afternoon (after 1PM) to ensure best curing conditions and maximum pot life.

#### If temp is 71-80°F □

Allow product to stand after mixing

Start brushing (trimming edges): □ 10 minutes after mixing

Start rolling: □ 15 minutes after mixing

Use all mixed product within (pot life): 1.5 hours after mixing

Best time to paint is early morning (before 9AM) to ensure best curing conditions and maximum pot life.

#### If temp is 81-85°F □

Start brushing (trimming edges): □ Immediately after mixing

Start rolling: □ 5-15 minutes after mixing

Use all mixed product within (pot life): 1 hour after mixing

Best time to paint is early morning (before 9AM) to ensure best curing conditions and maximum pot life.