



ROCKSOLID FLOORS

WORLD'S FIRST
ONE DAY

DO-IT-YOURSELF
POLYUREA FLOOR COATING SYSTEM

The ROCK SOLID Kit provides the materials generally required to cover 500 square feet. The coverage of the coating is dependent on the porosity of the concrete being coated and the application technique. Please be sure that you have enough material to coat the entire floor including the curb block, stairs, and stem walls if you choose too. Call Rock Solid Floors at 1-866-765-4474 to speak with a customer service representative for help in determining the amount of material required for your floor or go to the web site at www.rocksolidfloors.com

Before You Start to Rock:

Testing for sealer – You need to determine if the concrete has been previously sealed. This is done by a simple test of pouring a small amount of water onto the surface. If the water beads, a sealer is present and needs to be mechanically removed with a diamond grinder available at a local rental store.

Testing for coating adhesion:

If the floor has been previously coated, you need to determine if the coating is well adhered to the surface. You can coat over the previous coating if you scuff sand using 60-80 grit sand paper and wiping surface down with Acetone (Wear proper PPE equipment).

1. With a razor blade, cut an X through the coating and down to the concrete.
2. Apply a 5" piece of duct tape over the X and press down firmly.
3. Completely remove the tape with one quick pull.
4. If more than 10% of the taped area is removed, the original coating is not bonded well and needs to be removed mechanically with a diamond grinder.

WARNING! If you sand or remove old coatings, 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.

Testing for moisture: Apply a 3' x 3' sheet of plastic (such as a heavy duty garbage bag or 1 gallon plastic storage bag) to an area of the floor. Tape down the edges with duct tape and allow it to sit for 24 to 48 hours. If water droplets appear on the inside of the plastic or if concrete appears wet (darker in color), the moisture in the concrete is high and the slab should be waterproofed with Rock Solid Polymatrix Crystalline Waterproofing.



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Temperature Extremes: The ideal temperature range when working with Rock Solid is 60°F-80°F (16°C-26°C). Warmer temperatures can shorten pot life. Cooler temperatures will require longer cure times. We do not recommend applying Rock Solid when the temperature remains under 40°F for 24 hour period or longer.

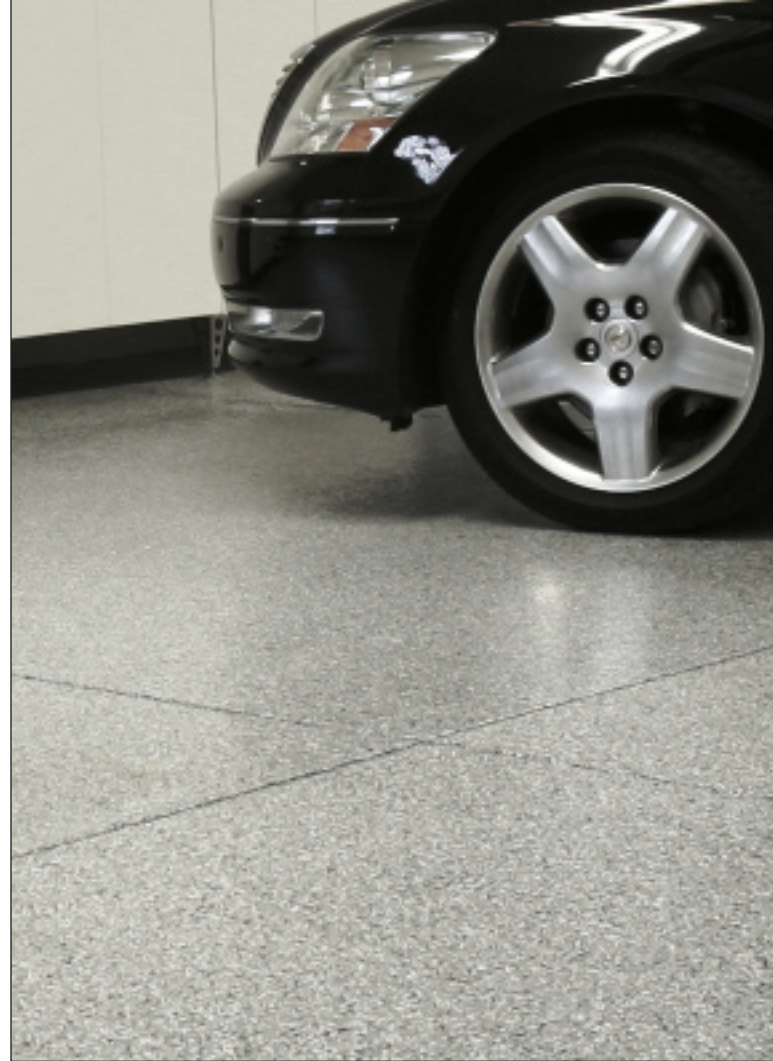
High Humidity: Humidity can affect the dry times of both the primer and base coats. As humidity increases, so do the cure times of the primer and base coats. It is recommended to operate fans across the floor to lower the dry times on each of these coats in a high humidity application.

Concrete Inspection: Concrete is different in many areas of the country. Some concrete is especially hard which would require extra etching to provide an anchor for your primer coat. If you have soft and chalky concrete, Rock Solid Floors recommends diamond grinding the surface with 30-50 grit diamonds to remove the soft fines (particles) from the surface.

Contaminated Concrete: Oil spots and stains must be cleaned and removed with Rock Solid Cleaner. Use 100% concentrate on tough stains and dilute 4:1 for minor stains and excessive dirt. Scrub the area with a stiff bristled broom to agitate the stain. Rinse the area and repeat cleaning again if water continues to bead on the surface. Contact Rock Solid Floors if you have an especially oily concrete surface that you are coating to order this material.

Preparation is Key:

IMPORTANT NOTE REGARDING ACID WASH - The Rock Solid Safe Etch Solution is used to neutralize the alkalinity of the concrete and provide an anchor for the primer coat to bond. The etching is required on all uncoated concrete floors either old or new. The etching is NOT used to clean the concrete; cleaning is done prior to the etching using a good quality degreaser such as our Rock Solid Cleaner. Please make sure to wear the proper protective equipment and follow the manufacturer's instructions. Thoroughly sweep out all the dust and dirt on the floor, and then apply a mist of water to the surface. The concrete should accept the water evenly and consistently across the entire surface to be coated. If there are areas of beading on the surface, it represents a possible contaminate (oil, wax or tire dressing). These areas need to be cleaned with a full concentrate of Rock Solid Cleaner. Scrub the area with a stiff bristled broom, rinse and inspect again. If water continues to bead on the surface, re-treat the stain and scrub again until water no longer beads in that area. Etching is necessary to ensure proper adhesion of the coating to the concrete. Wearing gloves and protective eyewear, slowly add one part Rock Solid Safe Etch Solution to 3 parts water in a plastic watering can (follow manufacturer's directions). Working in a 10' x 10' section of the floor, pour out the etching solution and scrub in with a stiff bristle broom. The etching solution should fizz for about 4-5 minutes while being scrubbed. "If the concrete does not fizz it means that there is a sealer on the floor and MUST be removed with a diamond grinder as previously discussed." When the fizzing stops, hose off the solution and move on to the next section. When all sections are completed, rinse three times and scrub with a stiff bristle broom while rinsing. A wet/dry vacuum should be used to accumulate excess water. To speed up the process, use a floor squeegee to push all excess water to the center of the floor, and then vacuum up. Do not leave pooled water on the floor. Let the floor dry at least 1 hour.



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