SAFETY INFORMATION

KEEP OUT OF REACH OF CHILDREN AND ANIMALS - DO NOT TAKE INTERNALLY

**DANGER**

CONTAINS: Isocyanates, Solvents

Individuals with lung or breathing problems or prior reaction to isocyanates must not be exposed to vapor or spray mist. Use only with adequate ventilation. Keep away from heat, sparks and flame. Vapor may cause flash fire. Do not smoke.

EYE CONTACT: In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops.

SKIN CONTACT: In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Seek medical attention if irritation develops and persists.

Thoroughly clean shoes before reuse.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if irritation develops.

INGESTION: If ingested, do not induce vomiting unless directed to do so by medical personnel. Do not give anything by mouth to an unconscious person.

First Aid Measures

**EYE CONTACT:** In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops.

**SKIN CONTACT:** In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Seek medical attention if irritation develops and persists.

Other Supplies Needed

- Shop-Vac with squeegee attachment
- Pressure washer to clean floor (Optional)
- 9” Roller Frame with Extension handle
- 3” Disposable Paint Brushes (2)
- Disposable Rubber Gloves (Nitrile)
- Stiff-bristled broom
- Garden hose with spray nozzle
- Blue Masking Tape (2”)

Other Supplies Needed

- Safety Equipment for Etching
- Protective Plastic Sheeting (Tarp or Poly)
- Protective Safety Glasses
- Respirator (NIOSH Approved Respirator (Optional). Refer to safety/MSDS information)
- Silica Sand (sold separately)

PRODUCT RETURNS:

For any product returns including damaged or missing items **Do Not Return To Store.** Contact RockSolid Floors® directly at 866-765-4474.

COVERAGE: This RockSolid Floors Kit provides the materials generally required to cover 250 sq. ft. or a standard single car garage. The coverage of the coating is dependent on the porosity of the concrete being coated and the application technique. This product is designed to be applied very thin with the supplied 9” Foam Roller. Application of this material to stairs, vertical surfaces or to wood will have reduced coverage rates. **A little goes a long way.**
CONDITIONS: Before you begin the process of preparing the floor for coating it is important to follow the tests below to ensure proper coating adhesion.

**TIP:** Do not apply outside of the garage door.

TESTING FOR SEALER: You need to determine if the concrete has been previously sealed by utilizing a simple test of pouring a small amount of water onto the surface in various areas of the floor. If the water beads, a sealer is present and needs to be either chemically or mechanically removed with a diamond grinder available at a local rental store. Please visit [www.rocksolidfloors.com](http://www.rocksolidfloors.com) for more information and recommendations.

PREVIOUSLY COATED FLOORS: If the floor has been previously coated, you need to determine if the coating is well adhered to the surface. If it is, you can coat over the previous coating if you scuff sand using 40-80 grit sand paper and wiping the surface down with MEK. Please make sure to wear the proper protective equipment and follow the manufacturer’s instructions. Mechanical grinding will be necessary to remove coatings that have delaminated from the surface. Contact your local hardware store for information on grinder rental.

TESTING FOR COATING ADHESION:  
1. With a razor blade, cut an X through the coating and down to the concrete.  
2. Apply a 5” piece of 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 chemically or mechanically with a diamond grinder.

TESTING FOR MOISTURE: Apply a 3’ x 3’ sheet of plastic (such as a heavy duty garbage bag or plastic sheeting) to an area of the floor. Tape down the edges with 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 colour), the moisture in the concrete is high. See [www.rocksolidfloors.com](http://www.rocksolidfloors.com) for more information on high moisture concrete and mitigation options.

**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](http://www.epa.gov/lead).

**WARNING**
Do not install Garage Coat in direct sunlight or when temperatures are rising. Wait until temperatures are steady and/or falling to complete the installation of the coating system.

**TEMPERATURE EXTREMES:** The ideal temperature range when working with RockSolid Floors® products is 40°F-90°F (4°C-32°C). Warmer temperatures will shorten working time. Cooler temperatures will require longer cure times. Preparation of the concrete using the Concrete Etch should not be attempted below 40°F. This preparation method involves using water to flush the surface and could cause the formation of unwanted frost or extended dry times at temperatures near freezing.

**TIP:** If it is raining or if extremely damp conditions exist it is not recommended to coat the floor. Concrete substrate must be completely dry at the time of application to achieve proper adhesion.
CONCRETE INSPECTION: Concrete is different in many areas of the country. Some concrete is especially hard, which will require extra etching to provide an anchor for your RockSolid Floors® Polyurea Garage Coat™. If you have soft and chalky concrete or areas of the concrete that have spalling, chipping or cracking, use the RockSolid Floors® Fast Patch or other commercial grade concrete repair products to repair and level out the floor prior to coating. RockSolid Floors® Fast Patch is mixed at 1 part A to 1 part B and applied with a putty knife to the affected areas. Due to its unique characteristics, it does not have to cure fully before applying the RockSolid Floors® Polyurea Garage Coat.

CONCRETE PREPARATION: Use the RockSolid Floors® Safe Etch solution (included) or other commercially available products to open the pores of the concrete, to provide the proper adhesion required for a long lasting floor. The etching is required on all uncoated concrete floors, old or new. While the etching will prepare the concrete, cleaning is to be done prior to the etching using a professional grade degreaser. If utilizing a pressure washer to clean the floor, please make sure to wear the proper protective equipment and follow the manufacturer’s instructions.

Use tape to mask off a straight line underneath the garage door. Keep children and pets indoors and away from the work area at all times during the installation. Make sure to read and follow all safety guidelines during all phases of application.

Thoroughly sweep out all dust and dirt on the floor and 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 a professional grade degreaser prior to etching the floor. 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. Once you have determined that water is no longer beading on the surface, you are now ready to etch the concrete. Please see recommended safety practices located on container.

Mix the contents provided with ¾ gallon of water. Slowly add the mixed product to a plastic watering can (¾ gallon total). Working in a 10’ x 10’ section of the floor, pour out the etching solution evenly on the floor. Scrub the solution around with a stiff bristle broom. The etching solution should fizz for about 2-5 minutes while being scrubbed. If the concrete does not fizz it means that there is a sealer on the floor and it must be chemically or mechanically removed as previously discussed.

When the fizzing stops, rinse 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. To speed up the drying process, use a floor squeegee to push all excess water to the center of the floor then vacuum up. Do not leave pooled water on the floor. Let the floor dry at least 2 to 4 hours or overnight with the door open so air will move over the surface.

TIP: Use a squeegee, wet/dry vacuum or fan to speed up the drying process.

It is imperative that the floor be completely dry before applying any coatings. Failure to follow this warning will create application issues and possible product failure.
Mixing the Garage Coat

TIP: Do not mix the decorative chips with the coating.

Place tarp on the ground and thoroughly mix the material in the RockSolid Floors Polyurea Garage Coat pouch by shaking it (both up and down and back and forth) and squeezing each side of the pouch. Any clumps or thick spots need to be massaged to break them up and blend them in with the rest of the coating. Do this so that all the pouches you will be using to cover your floor are ready prior to tearing open the top seal. Once the material is thoroughly mixed, use a pair of scissors or tear the top seal of the pouch, and make sure the resealable seal is open.

Add the Garage Coat Color Tint by pouring the entire contents of the container into the open pouch, using a paint stick to scrape the sides and get all the tint out. Reseal the top seal, fold the pouch over in half and shake contents for 30-60 seconds.

Garage Coat Application

Using the Foam Roller PROVIDED

TIP: Always make sure to use tape to protect any areas that you want to keep clean.

Use tape to keep areas such as wood trim, metal garage door rails, floor drains, door frames, etc. clean. These items may be hard to cut in around and you may get some coating on them. The most important area to protect when installing a garage floor coating will be the termination point under the garage door. Use two strips of Duct Tape (blue masking tape will not adhere to concrete) to create a straight line that will be covered when the garage door is lowered. Do not install the RockSolid Garage Coat outside the garage door. Pour a small amount of the mixed material from the pouch on the floor about a foot from the back corner wall in roughly 2’-3’ ribbons.

TIP: Do not pour material into a roller pan, as the Foam Roller will become over-saturated.

A little of this stuff goes a long way. Using a 3” paint brush, cut the material in around the perimeter on half the area to be coated. Using the supplied 9” Foam Roller, apply material in 4’ x 4’ sections in a THIN and even coat across the floor using an “M & W” pattern. This pattern will provide the most uniform results and ensure that the material will spread over the desired area. Continue to pour a small amount of material as needed to continue to coat the floor. When nearing the end of the material, place the pouch upside down to get all the material out. Always reseal the seal and fold the pouch over in half, to ensure that the unused product is not exposed to the atmosphere. Do not pour material over control joints or cracks or
allow material to pool in low spots of the floor. Also when rolling, take care not to pull material over control joints or unfilled cracks, or outgassing due to material thickness could occur. This will not affect the performance of the floor but can be unsightly and cause raised areas along the voids in the concrete. This is a single component product that will stay liquid until it is spread out in thin millage on the surface. At that point the atmosphere will start to cure the product.

TIP: RockSolid Floors recommends using the supplied 9” Foam Roller to allow for a smoother professional installation, and to work the product until a thin opaque gray coating is revealed.

If the product is applied too thick it will outgas and you will not get the expected coverage rates.

ANTI SLIP: For a more aggressive nonslip coating use clear silica sand and decorative chip during the application. Do so by grabbing small pinches of either material between your index finger and thumb and throwing it up in the air over the wet coating. Please make sure to wear the proper protective equipment and follow the manufacturer’s instructions.

Depending on temperature and humidity, the average cure time is 4-8 hours for foot traffic, 24 hours for full service and vehicle traffic. The coating will need to be dry to allow foot traffic for the optional RockSolid Floors Polyurea Clear Diamond Coat application. Do not walk on the coating while it is still tacky, as you could put permanent footprints in the floor.

Use caution tape to block off all points of entry to avoid accidental contamination of the wet coating. Do not lower the garage door all the way before the coating has fully cured. The best way to test for cure is to touch the coating in the last area that was coated and see if it has tacked over. It should not feel sticky to the touch and no color should come up on your fingers. Air movement can help the coating to cure faster, but be careful when using fans to circulate air as this could cause unwanted contaminants to get stuck in the wet coating.
Optional Clear Top Coat

Using Rocksolid Polyurea Diamond Coat™

• You will need a Diamond Coat™ Kit and clean and dry silica sand. If you are to apply the optional clear polyurea top coat it must be applied within **6-8 hours** of the basecoat application.

The Diamond Coat™ will provide extra protection in areas of heavy use or can provide a UV stable top coat over stamped or decorative concrete. The Diamond Coat™ pouch will cover up to 300-400 sq. ft. depending on the substrate covered. Prior to use, shake pouches well and pour contents in a 9” paint tray. Use only a 1/4” nap high quality roller cover. Fully saturate the roller and roll out in an M and W pattern and back roll until you have a nice thin coat of material over the surface.

**TIP:** This product should not be applied too thick.

You will want to use clean and dry silica sand and lightly broadcast into the previously rolled wet coating. This will provide a nonslip surface if you desire one. The product will be very slippery if not treated with the sand.

• Depending on the temperature and humidity your floor will be ready to walk on in 4-8 hours and a return to service in 24 hours.

• You can keep any remaining product by resealing the bag and folding it over in half, then placing the bag into a ziplock bag and storing in a cool, dry place away from children and pets. This will come in handy if you ever need more. If a thin skin develops, simply remove it with gloves and discard prior to mixing.

**Clean Up**

Dispose of rollers and brushes according to local regulations. Allow unused product to harden and dispose of according to local regulations.

**Clean Up**

Optional Clear Top Coat

Using Rocksolid Polyurea Diamond Coat™

**RockSolid Floors® Technical Support**

Please Contact RockSolid Floors® Technical Support toll free at **866-765-4474** with any questions or concerns.

Or visit us online at [www.rocksolidfloors.com](http://www.rocksolidfloors.com).
Q: When I used the etching solution the concrete did not fizz. What would cause this?

A: The etching solution needs to come in contact directly with the bare concrete to chemically react and dissolve the thin layer on the surface. This contact can be inhibited by concrete sealers, tire dressing, oil contamination, or existing coatings. **SOLUTION** – Typically preparing the surface by mechanical means such as diamond grinding or aggressive sanding can remove the sealers, etc. Oil contamination, tire dressing and other bond breakers must be thoroughly cleaned off using a heavy duty degreaser prior to the concrete preparation phase. Grinding equipment can be rented at most local hardware stores if needed. Keep in mind that if the concrete does need to be ground to remove sealers, etc. that the porosity of the concrete will increase and the coverage rate of the kit will decrease. It may be necessary to purchase additional kits to account for this in some cases.

Q: When I rolled over certain areas of the floor the product separated and created “fish eyes”. What could have happened here?

A: “Fish eyeing” or separation of the coating is due to contaminants on the surface – most likely oil spots or silicone based products like tire dressing. While these areas are supposed to be treated before the preparation and application phase, sometimes they are missed. **SOLUTION** - If you catch it right away while you are rolling, you can use a solvent such as MEK or acetone to thoroughly remove the product and scrub the floor. Allow the solvent to flash off, then roll over the area multiple times with material on the roller. You may need to repeat the process until the material no longer separates. If you do not notice these areas until the floor coating has cured, you will need to aggressively scuff sand the areas to remove any residual coating, then use a heavy duty degreaser to clean the surface. The area can be re-etched if needed to profile the concrete.

Q: I was unable to get the specified coverage rate. What are the possible reasons for this?

A: The RockSolid Garage Coat kit was designed to be installed over etched concrete in a typical garage setting. Older concrete with more porosity will “drink up” more material while you are trying to roll it to an opaque consistency, therefore limiting the spread rate. Grinding will create the same increased porosity and require more material to reach the desired finish. **SOLUTION** – If you are going to be coating over old concrete or plan to grind the floor to either remove a sealer or existing coating, it is suggested to purchase an additional kit (or 2 depending on the size of the floor) so that you do not run out before completion. Stretching the material to get to the end could result in a transparent (see-through) section that does not match the rest of the floor.
and will have decreased performance characteristics.

Q: Why would bubbles and raised areas appear around cracks, vertical areas and control joints on the floor after it has been coated?

A: The material in the RockSolid Garage Coat kit is a single component material that reacts with atmospheric moisture to cure. If the product is built up too thick, the top layer will “skin over” while the underlying material is still trying to cure. This will result in outgassing and can cause the material to “foam up” and bubble. **SOLUTION** – While it is always suggested to avoid filling voids with the RockSolid Garage Coat, sometimes these details get missed. Once cured, these areas can be sanded down using 40-60 grit sandpaper, vacuumed off and re-coated. Remember that the existing coating is beyond its “re-coat window,” meaning that the new material will not bond back to it completely.

Q: I got some of the coating on my skin, how can it be removed?

A: Protective gloves are to be worn during the application phase, but it is understandable to get some on your arms or clothes while applying the material. **SOLUTION** – If you can catch the material before it cures (within 15-20 minutes of the occurrence) it can be removed using a solvent such as MEK or acetone. It may be difficult to remove from clothes – so wear something that you don’t mind getting dirty. Once the material cures it is basically permanent to a point. Solvents will no longer take it off, as it is chemically resistant to them once cured. Aggressive scrubbing under warm water may break the material free from the skin and some reddening from agitation might be seen as a result.

**Q:** How can the coating be done in sections?

**A:** **SOLUTION** – If coating in sections is required use duct tape as a stopping point. Remove tape before coating cures. Do not coat over the section that is cured. Place tape on top of the coated section duct tape as your stopping point. Once the next section is coated remove tape. Do not allow coating to cure over the tape.

**Q:** I saved half of my material to do a section in another area of my property, and when I went to use it there was a hard “skin” on the product and the pouch was difficult to open. Can the remainder still be re-used?

A: As stated before, this product cures through a chemical reaction with atmospheric moisture. If the pouch is not sealed properly or the material inside has access to air it will cause it to cure and create the “skin” as seen on the surface. If saving material, it is best to use the remainder within 7-10 days and follow the instructions in the installation guide to properly seal and store the opened pouch. **SOLUTION** – If there is a prominent “skin” that has formed on the surface, it can be removed and the product possibly re-used. However if upon the removal of the “skin” the material looks, feels, or flows differently (thicker) than when originally mixed it should not be re-used and should be disposed of following local regulations.
RockSolid Floors® coatings System – Residential limited lifetime Material Warranty

RockSolid Floors® are warranted against peeling for the lifetime of the residential concrete floor. This warranty extends exclusively to the original purchaser of the warranted product; subsequent purchasers are not covered by this warranty agreement. RockSolid Floors® products must be applied in accordance with standard RockSolid Floors® product specifications and application procedures. This Rocksolid Floors® Warranty is contingent upon the return of the warranty registration certificate. The Rocksolid Floors® Warranty registration certificate must be completed in full with a copy of the original receipt and returned to Rocksolid Floors® by mail or email within 30 days of purchase to maintain a valid claim on the Rocksolid Floors® Warranty.

THE EXPRESS WARRANTIES SET FORTH IN THIS WARRANTY ARE IN LIEU OF ALL OTHER WARRANTIES. ANY DESCRIPTION OF THE GOODS CONTAINED IN THIS AGREEMENT IS FOR THE SOLE PURPOSE OF IDENTIFYING THE GOODS, AND NO DESCRIPTION OF THE GOODS HAS BEEN MADE A PART OF THE BASIS OF THE BARGAIN OR HAS CREATED AN EXPRESS WARRANTY THAT THE GOODS WOULD CONFORM TO ANY DESCRIPTION MADE BY ROCKSOLID. IT IS SPECIFICALLY AGREED THAT THE GOODS SOLD BY THIS AGREEMENT ARE SOLD WITHOUT ANY WARRANTY OF MERCHANTABILITY. IT IS SPECIFICALLY AGREED THAT THE GOODS SOLD BY THIS AGREEMENT ARE SOLD WITHOUT ANY WARRANTY OF MERCHANTABILITY. IT IS SPECIFICALLY AGREED THAT THE GOODS SOLD BY THIS AGREEMENT ARE SOLD WITHOUT ANY WARRANTY OF MERCHANTABILITY.

It is specifically agreed that RockSolid Floors® liability under this warranty is limited to the replacement of the product demonstrated to be defective by the purchaser. Under no circumstances shall RockSolid Floors® be liable for consequential or incidental damages of any kind including but not limited to damages to the structure or its contents resulting from defects in RockSolid Floors®. This warranty does not extend to labor costs for inspection, shipping and handling, testing or repair of the Rocksolid Floor Coating System or any other labor costs.

This Warranty becomes effective only upon receipt of this warranty form and a copy of the original receipt returned to RockSolid Floors®, Attention Warranty Department, Located at 3001 103rd Lane NE, Blaine, MN 55449

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Warranty and Purchaser Acknowledgment:

Received, Read, & Acknowledged, by: ___________________________ Date: ___/___/_______

Structure: ___________________________ Address: ___________________________

Owner: ___________________________ Specification: ___________________________

Date of Product Purchase: ____/___/________ Date of Completion of Application: ____/___/________

Lot # RockSolid Polyurea Garage Coat: ___________________________

Mail to:
RockSolid Floors, Attention Warranty Department
3001 103rd Lane NE, Blaine, MN 55449
You have now completed the Installation of your ROCKSOLID Floor. It will provide you with a Strong and Durable finish that will last for years. And remember, IT’S THAT TOUGH!