Epoxy-Coat®
Installation
Instructions

Premium Full & Half
Kits

Monday-Friday 9AM-6PM
(800) 841-5580 EST
Saturday 12pm-3pm
586-344-3469

www.epoxy-coat.com
Welcome ……………………………………………………………………………. 2
Safety ............................................................................................................. 3
Before You Start .......................................................................................... 3
Kit Contents .................................................................................................. 9
Step-by-Step Application Instructions for Premium Kits................................. 9
  • Surface Preparation................................................................................. 9
  • Mixing Instructions.................................................................................. 10
  • Application Instructions......................................................................... 13
Recommendations and Helpful Tips............................................................... 19
Warranty ....................................................................................................... 20
Frequently Asked Questions ......................................................................... 24

Welcome to Your New Floor
Thank you for purchasing the Performance Epoxy-Coat® floor coating kit. We want to make sure that your installation is easy and that you are completely satisfied with the results.

Important
Please read all instructions carefully before you start your project. Also, please read all instructions on the labels for Part “A” Resin and Part “B” Activator, and watch the video on the enclosed DVD. Our epoxy kits are made to be mixed easily by pouring all contents of Part A and Part B into largest outer container.

If you have any questions during your application, call 800-841-5580 to speak to one of our experts. Our hours are Eastern Standard Time M-F, 9am - 6pm, Saturday 12 pm – 3pm.

Key Product Information Overview; Premium Epoxy-Coat Kits
• For concrete/wood garage/basement/industrial-commercial floors
• Thicker, self-leveling, high gloss, one coat application, over 8x thicker than cheap water based epoxies
• Fills rough concrete, leaves no brush or roller marks
• Easy application in an afternoon
• Durable; over 3x stronger than concrete, resists chemicals, won’t peel
• Easy Maintenance
• Limited Lifetime Warranty
A message from our President

My name is Craig Jones, President/CEO of Epoxy-Coat®, Inc. I began in the floor coating industry in 1981, and since that time with the help of many world-class chemists, have been improving our patent pending epoxy floor coating kit.

My goal is to provide to our customers, (commercial, industrial and residential) the most economical, easy to apply, durable, longest lasting do it yourself floor coating kit. I want to change the way high performance floor coating systems are installed.

I’d like to make it as easy to install a professional high performance floor coating system (usually left to professionals), as the low quality water based epoxy systems offered by other national brands. Epoxy-Coat is the only Do-It-Yourself floor coating kit that can be applied in 3 hours achieving a professional result.

Epoxy-Coat is also the first to offer an all-inclusive kit with a Limited Lifetime Warranty, 0 VOC, self-leveling, and 100% Solids!

My number one goal has always been honest customer satisfaction and real value.

Thank you for your business,

Craig S. Jones
Epoxy-Coat, Inc.
Safety Information

- Keep out of reach of children / Do not consume
- Cleaning solution contains Phosphoric acid. Eye and skin irritant.
- You should wear rubber gloves with safety glasses when mixing, preparing floor with acid and mixing/applying Epoxy-Coat.

First Aid Measures

Ingestion
If ingested, do not induce vomiting unless directed to by medical personnel, do not give anything by mouth to an unconscious person. Drink 2 cups of water or milk. Contact a physician immediately and seek medical attention. Material Safety Data Sheets are available online at www.epoxy-coat.com.

Eye / Skin Contact
In case of contact with eyes or skin, clean with soap and water and then flush with cold water for 15 minutes.

Additional Supplies Needed

Purchase through customer support
800-841-5580 or www.epoxy-coat.com
- 9” Roller frame
- Extension pole
- Drill

Optional Supplies
- Pump sprayer for acid
- Epoxy-Coat joint and crack filler

Clean Up Thinner:
- Xylol/Xylene or MEK

Before You Start

Please take a few minutes before you start your floor project to review these instructions and watch our video. By understanding the variations in concrete and the methods used to test for problems, you will be prepared for a good installation experience. Our epoxy kits are meant to be mixed completely in one batch which means you mix all of Part “A” with all of Part “B” in the outer largest container/bucket.

Application Conditions and Pre-tests
For better coating adhesion, Epoxy-Coat recommends that before you begin the process of preparing the floor for coating, you try the tests below:
Kit Coverage

- Up to 500 sq. ft. on smooth concrete surfaces for the Full 6 Gallon Premium Kit
- Up to 250 sq. ft. on smooth concrete surfaces for the Half 3 gallon Premium Kit

True coverage is subjective and based on the desired appearance of a finished floor by the installer. Varying concrete conditions can cause varying results.
Testing for Sealers
To determine if the concrete has been previously sealed you can perform a simple test by pouring a small amount of water onto the surface in various areas. 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 or big box store). Please visit www.Epoxy-Coat.com for more information.

Testing for Moisture
Epoxy-Coat recommends using the moisture test kit sold at www.epoxy-coat.com called “Vapor Gauge”. Another easy test is to apply a 3’ x 3’ sheet of plastic (heavy-duty garbage bag or plastic visqueen) to an area of the floor. Tape down the edges with duct tape and allow it to sit for 24-48 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. Call Epoxy-Coat technical support at 800-841-5580 if the condition exists.

Temperature Conditions
The ideal temperature range when working with Epoxy-Coat is 40F-90F (4C-32C). Warmer temperatures will shorten working time and speed up curing process and cooler temperatures will extend working time and slow curing process. Preparation with Epoxy-Coat Clean and Prep Solution should not be attempted below 35F. High humidity will affect the curing of the coating and may cause varied color throughout the coating. Epoxy-Coat does not recommend applying where the relative humidity is above 85% maximum.

Note: It is always better to bring the temperature of the room up the day before you start coating. Once you start, you would like the temperature to be dropped 10F-20F to avoid any possible bubbling.

Concrete Inspection
Concrete varies in different areas of the Country/World. Some concrete is very hard which will require extra etching to provide an appropriate anchor bond. If you have soft and chalky concrete or areas that have spalling chipping or cracking, Epoxy-Coat recommends that you purchase Epoxy-Coat patch kit EPK 1000 where concrete patching is needed at www.epoxy-coat.com and also purchase an additional prime coat in porous/weak concrete where bubbling may be of concern. Testing of concrete hardness can be done by pressing a regular screwdriver over the surface of the concrete. If the concrete can be removed, it is considered weak concrete. Areas where concrete is chalky and weak should be diamond ground to a sound concrete surface and primed prior to coating.

Joints, Holes and Saw Cuts
Joints and saw cuts can be filled with Epoxy-Coat patch kit EPK 1000 at www.epoxy-coat.com and should be performed after preparation but prior to coating application. Cracks under 1/8” should be patched with Epoxy-Coat special acrylic latex caulk at www.epoxy-coat.com.
Application over Previously Coated Floors
Coatings that are present on the concrete may be coated with Epoxy-Coat as long as they are bonding well. An appropriate bonding coating is determined with a “Coating adhesion test”.

- With a razor blade, cut an X through the coating to the concrete
- Apply a 6” piece of duct tape over the X and press firmly
- Completely remove the tape with one quick pull.
- If more than 5% of the taped area is removed, the original coating is not properly bonded and needs to be removed chemically or mechanically with a diamond grinder. (available at a local rental or big box store)

Properly bonding previously coated areas must be cleaned with a proper detergent and scrubbed and sanded with 100-120 grit sandpaper prior to application of Epoxy-Coat. Using the Epoxy-Coat Clean and Prep solution is not necessary over previously coated areas.

Note: A recommended cleaner is our Epoxy-Coat C-900 Citrus Cleaner available at www.epoxy-coat.com or 800-841-5580.

Coating over Tile Floors
Tile, linoleum or terrazzo may be coated with Epoxy-Coat. Tile areas must be cleaned with a proper detergent and scrubbed and diamond ground to achieve a 100-120 grit profile prior to application of Epoxy-Coat. Using the Epoxy-Coat clean and Prep solution is not necessary over tile.

Coating over Wood Floors
Wood floors may be coated with Epoxy-Coat. Wood areas must be cleaned with a proper detergent and scrubbed if contaminated and all waxes or un-bonding materials removed prior to coating. Sanding the wood to achieve a 100-120 grit profile prior to application of Epoxy-Coat is only necessary if the wood surface is smoother than a 120-grit profile, otherwise no sanding is required. Using the Epoxy-Coat clean and Prep solution is not necessary over wood.

Coating over Metal
Metal surfaces may be coated with Epoxy-Coat. Metal surface must be free from rust, cleaned and sanded prior to coating.

Industrial and Commercial Concrete Floors
Shot blast ing and/or Diamond Grinding is preferred for industrial or commercial floors, or wherever the standard prep solution is ineffective.
Premium Full and Half Kit Instructions

Premium Kit Contents (with tools)

Color Kit
- DVD Instruction Video
- Safety Gloves
- Acid Cleaning Granules
- Epoxy-Coat Part “B” Activator / Hardener
- Measuring Stick
- Squeegee
- Spike shoes
- Decorative Flake Chips

Clear Kit
- Safety Gloves
- Epoxy-Coat Part “A” Clear Resin
- Epoxy-Coat Part “B” Activator / Hardener
- Brush
- Non-Skid Aluminum Oxide
- Roller

Step-by-Step Instructions for Color Coat

Preparation Instructions (Check off as you complete each step)

____ Step 1: Sweep or power blow entire floor surface area.

____ Step 2: Typically old concrete floors have contaminants which must be removed prior to coating. Using a diluted degreaser and hot water, you should scrub those areas vigorously. Heavy contaminated or oily areas should be concentrated and repeated if necessary.

____ Step 3: Add acid granules floor prep solution into 5 quarts of cold water in a plastic sprinkling can or plastic pump sprayer and mix until diluted. This will yield sufficient pre-mix to cover up to 500 sq ft using the 12 oz. prep solution included with the full kit.
Step 4: Cleaning a 10’ x 10’ section at a time, (using the optional sprayer) apply the premix evenly over the surface. Do not expect foaming. Scrub the premix into the surface with a stiff bristled broom. Move to the next 10’ x 10’ area. NOTE: If the floor has a sealer, diamond grinding will be needed. Pressure washing can aid in preparation.

Step 5: After application of floor prep, double rinse the surface with a water hose. Scrub while rinsing to insure removal of all loosened material. NOTE: It is best to scrub in both directions.

After the surface has dried, check any glossy or oily areas by applying a few drops of water. If water does not penetrate quickly, re-etch the affected areas.

Allow the floor to dry fully before coating. A power blower can be used to assist in the evaporation of the remaining water. Once your floor is dry, rub your fingers on the concrete and check your fingers for a film. If there is no film, you are prepared for application of the coating. Remember you must remove contaminants and create a profile before coating or your coating will not adhere correctly.

### Mixing Instructions

Step 6: Rinse and dry the large mixing bucket (which held all kit contents) with a clean rag prior to mixing. Install the supplied mixing tool into a high-speed drill. Apply protective plastic onto a 10’ X 10’ area where mixing is to be performed (not on the floor coating surface).

Step 7: Mix Part “A” of Epoxy-Coat in its original bucket for 2 minutes. If the color is not what you like “STOP”, do not activate and contact Epoxy-Coat for options as activation, mixing or application will NOT change color.

Optional Step 7a: If more than one kit is being used, batch mix all colored Part “A” resins together for color consistency. If the color is not what you like “STOP”, do not activate and contact Epoxy-Coat for options as activation, mixing or application will NOT change color.

Step 8: Into the large cleaned mixing bucket, pour all Part “B” ACTIVATOR/HARDENER contents.
Step 9: INTO THE SAME OUTER MIXING BUCKET, pour all pre-mixed contents of Epoxy-Coat Part “A” RESIN.

Note: For smaller mixes the actual mixing ratio is 1 part by volume of Part B Activator/Hardener to 2.3 parts of Part A Resin.

Example for smaller batches:

If using a measuring cup/pail please refer to these guidelines:
58 ounces of Part “B” Activator/Hardener (1 part by volume)
134 ounces of Part “A” Resin (2.3 parts by volume)

Step 10: Mix thoroughly with the mixing tool for 3 minutes paying close attention to mixing all around the buckets sides and raising and lowering with the mixing tool.

Please Note: Mixing must be very thorough (3 minutes) or the coating will not cure and clean up, and removal of the uncured epoxy will be costly and very time consuming. Do not wipe the sides of the mixing bucket between mixes or after the final mix as there may be residual unmixed epoxy. The residual epoxy in the mixing bucket will not adversely affect the future epoxy mixes.

Step 11: Immediately pour ALL mixed contents in a line on the floor (Do not leave any mixed coating in the bucket for cut in, use the material on the floor to cut in around perimeter). Starting in the farthest corner of the room, pour mixed contents (parallel to and approx. 2’ from the wall”). Using the kit brush, cut in the perimeter walls or any other obstruction that may be hard to roll. For a full kit pour half of the mixed contents parallel to the wall and half parallel to the first pour in the center of the room. You will have two equal lines of materials approximately 3”-4” wide separated approximately 8’-12’.
Please Note: After pouring mixed coating from the bucket to the floor, you have 25-30 minutes working time @ 70 degrees F (lower at higher temps).

Example Coating thickness are:

10’ X 25.0’ = 9.7 Mils Dry Film thickness
10’ X 12.5’= 20 Mils Dry Film thickness
5’ X 12.5’= 40 Mils Dry Film thickness

The definition of a coating mil thickness is 1 mil = 1/1000 of an inch. Epoxy-Coat will cure faster the thicker it is.

We do not recommend coating beyond the garage door as the UV rays will amber the coating.
Application Instructions

**Step 12:** Using the kit squeegee, (perpendicular to the poured line of epoxy) draw the epoxy from the back wall with the squeegee until there is no longer wet epoxy to draw back. Continue to squeegee pulling this product down the line until complete.

**Step 13:** With the kit roller, perpendicular to squeegee application, roll the epoxy until even and consistent. If you don't have spike shoes make sure you only squeegee those areas to give you enough room to backroll without walking into the wet epoxy.

**Step 15:** (If you have spike shoes) After the second section is squeegeed and rolled, go back to the first section and re-back roll it completely (approx. 5 minutes after first back roll).
Optional Step 15A: Flake application (only in the previous section which has final back roll) is performed by dividing the kit flakes into the number of section applications you will perform. Taking a pinch amount, apply by throwing the flakes into the air a minimum of 5’ or higher. Re-bounding the flakes off the ceiling is a good idea to get an even coverage by allowing them to fall into the wet coating. Remember, only flake a section after the floor area looks satisfactory as once you flake the floor you will not be able to re-back roll again. The flake chips should be broadcasted into your final color coat (prior to applying clear coat, if clear coat will be applied).

Note: If multiple special order solid color flake chips are not premixed together, do so before flaking the floor.

Note: If multiple special order solid color flake chips are not premixed together, do so before flaking the floor. Wait 10-24 hours dry time before applying Clear Coat,

Clear Coat Instructions (Using Clear Coat Kit Tools) 

Step 16: Rinse and dry the large mixing bucket (which held all kit contents) with a clean rag prior to mixing. Install the supplied mixing tool into a high-speed drill.

Step 17: Into the large cleaned mixing bucket, pour all Part “B” ACTIVATOR/HARDENER contents.

Step 18: INTO THE SAME OUTER MIXING BUCKET, pour all pre-mixed contents of Epoxy-Coat Part “A” RESIN.

Note: For smaller mixes the actual mixing ratio is 1 part by volume of Part B Activator/Hardener to 2.3 parts of Part A Resin.
Example for smaller batches:

If using a measuring cup/pail please refer to these guidelines:
58 ounces of Part “B” Activator/Hardener (1 part by volume)
134 ounces of Part “A” Resin (2.3 parts by volume)

Step 19: Mix thoroughly with the mixing tool for 3 minutes paying close attention to mixing all around the buckets sides and raising and lowering with the mixing tool.

*Please Note:* Mixing must be very thorough (3 minutes) or the coating will not cure and clean up, and removal of the uncured epoxy will be costly and very time consuming. Do not wipe the sides of the mixing bucket between mixes or after the final mix as there may be residual unmixed epoxy. The residual epoxy in the mixing bucket will not adversely affect the future epoxy mixes.

Step 20: Immediately pour ALL mixed contents in a line on the floor (Do not leave any mixed coating in the bucket for cut in, use the material on the floor to cut in around perimeter). Starting in the farthest corner of the room, pour mixed contents (parallel to and approx. 2’ from the wall”). Using the kit brush, cut in the perimeter walls or any other obstruction that may be hard to roll. For a full kit pour half of the mixed contents parallel to the wall and half parallel to the first pour in the center of the room. You will have two equal lines of materials approximately 3”-4” wide separated approximately 8’-12’.

*Please Note:* After pouring mixed coating from the bucket to
the floor, you have 25-30 minutes working time @ 70 degrees F (lower at higher temps).

Example Coating thickness are:

10’ X 25.0’ = 9.7 Mils Dry Film thickness
10’ X 12.5’= 20 Mils Dry Film thickness
5’ X 12.5’= 40 Mils Dry Film thickness

The definition of a coating mil thickness is 1 mil = 1/1000 of an inch. Epoxy-Coat will cure faster the thicker it is.

*We do not recommend coating beyond the garage door as the UV rays will amber the coating.*
Application Instructions

______Step 21: Using the kit squeegee, (perpendicular to the poured line of epoxy) draw the epoxy from the back wall with the squeegee until there is no longer wet epoxy to draw back. Continue to squeegee pulling this product down the line until complete.

______Step 22: With the kit roller, perpendicular to squeegee application, roll the epoxy until even and consistent. If you don’t have spike shoes make sure you only squeegee those areas to give you enough room to backroll without walking into the wet epoxy.

______Step 23: (If you have spike shoes) After the second section is squeegeed and rolled, go back to the first section and re-back roll it completely (approx. 5 minutes after first back roll).

______Optional Step 24: If you desire to have aluminum oxide non skid added to the floor broadcast aluminum oxide non-skid over the floor in small amounts (only in the previous section which has been back rolled a 2nd time). Taking a pinch amount apply by throwing the non-skid into the air a minimum of 5’ or higher. Re-bounding the non-skid off the ceiling is a good idea to get an even coverage.

NOTE: Aluminum oxide will make the floor more slip resistant but will make it harder to clean; it should be used according to your desired needs. Epoxy-COAT non-skid additive is industry standard and accepted means for creating a proper recommended OSHA 0.5 COEFFICIENT FRICITION slip resistant non-skid surface.

Recommendations and Helpful Tips
Spike shoes will make coating the floor easier. If you have spike shoes, you can flake or non-skid the floor at one time for better consistency.

When applying multiple coats, you should wait 10-24 hours to apply the second coat. If you wait more than 24 hours, you must rough the surface with 120-grit sandpaper prior to coating and you must wipe the floor with denatured alcohol prior to coating.

Epoxy-Coat should be applied in multiple coats if necessary in contaminated areas, rough areas or where a smoother looking appearance is desired.

Possible coating problems during application
If bubbles appear during coating, using a power blower, blow the epoxy floor surface while still wet. You may also consider trying to re-back roll the floor again a 3rd time, prior to broadcasting any flakes/no skid. If bubbles continue to appear, keep using leaf blower to relieve surface tension.

If fish eyes appear in the coating (as a result of contamination) continue to back roll the floor until it is very tacky prior to flaking/non skid the floor.

If color variations appear between sections try to re-back roll the entire floor completely prior to broadcasting any flakes/non-skid.

**Dry Time**
Dry time for foot traffic in 18 hours and heavy traffic in 24 hours at room temperature (70 degrees F) regardless of thickness. Longer at cooler temperatures. Temperature and humidity can affect dry time. AS WITH MANY HIGH PERFORMANCE FLOOR COATINGS FULL CHEMICAL RESISTAND CURE IS 3 DAYS.
No water should be on the newly coated floor for 7 days.

**Disposal**
Remaining unmixed Epoxy-Coat product can be mixed into the mixing bucket for 3 minutes and harden. Dispose of in accordance with local, state and federal laws.
Maintenance
Recommended floor cleaning solution is Epoxy-Coat C-900 cleaning solution (can be purchased on-line @ www.epoxy-coat.com) or with a mild degreaser or citrus cleaner. The recommended cleaning is every 6 months. Use a soft deck brush/broom, rinse and squeegee for best results.

*Pressure washing can be used but only on lowest setting with 30-degree tip or higher (less than 1000 psi)

*The use of a mechanical buffer to aid in cleaning can be used but only with soft brushes. Buffer pads are not recommended.

Warranty
Product Return Policy
For any product returns, including damaged or missing items, please contact us directly at 800-841-5580 for return assistance.

Residential Warranty
Epoxy-Coat shall warranty its residential coating applications against peeling for the lifetime of the floor for the original purchaser, proving its application in accordance with Epoxy-Coat preparation and application procedures and the warranty registration certificate is completely filled out and mailed or e-mailed back within 10 days of purchase.

This warranty applies to peeling coatings caused as the direct result of product failure. The sole and exclusive maximum liability of Epoxy-Coat under this warranty will be to replace the appropriate quantity necessary for re-coating warranted area.

Please allow for shipping and handling. This Limited Lifetime Warranty is non-transferable.

Residential Warranty exclusions:

• Moisture mitigation issues
• Deficient Concrete
• Coating not applied direct to concrete
• Surface or sub surface contaminants

Industrial/Commercial/Institutional Warranty
Epoxy-Coat shall warranty its Industrial/Commercial/Institutional coating applications against peeling for the lifetime of the floor for the original purchaser, proving its application is in accordance with Epoxy-Coat registration certificate is completely filled out and mailed or e-mailed back within 10 days of purchase.

This warranty applies to peeling coatings caused as a direct result of product failure. The sole and exclusive maximum liability of Epoxy-Coat under this warranty will be to replace the appropriate quantity necessary for re-coating warranted area as detailed below:
• 1st year 100% coverage of retail price
• 2nd-3rd years 50% coverage or retail price
• 4th-5th years 35% coverage of retail price
• 5th-10th years 25% coverage of retail price
• 10+ years 15% coverage of retail price

Please allow for shipping and handling. This Limited Lifetime Warranty is non-transferable.

Industrial/Commercial/Institutional Warranty exclusions with following conditions:
• Moisture mitigation issues
• Deficient Concrete
• Coating not applied direct to concrete
• Surface or sub surface contaminants
• Surface preparation other than Shotblasting or Diamond Grinding and providing a minimum of a mechanical 10-mil anchor profile.

The express warranties set forth in this purchase are in lieu of all other warranties, expressed or implied, including, without limitation, any warranties of merchantability or fitness for a particular purpose.

Customer agrees that its exclusive remedies and the entire liability of Epoxy-Coat with respect to the specified floor coatings, are set forth in this agreement. Epoxy-Coat will not be liable to customer for any damages, including any lost profits or other incidental or consequential damages arising out of its use of the floor coating or the breach of any warranty.

Other Warranty Exclusions

We have made every effort to provide our customers with the best materials and application process possible, and we are very proud of our first-in-the-industry Limited Lifetime Warranty.

Because there is such a wide variation in the quality and condition of concrete, there are some conditions that we cannot warranty below.

Epoxy-Coat does not make any claims, warranty or accept any responsibility for any of the following conditions below, all of which are considered out of our control and therefore not able to be warranted. Upon opening either Part “A” Resin or Part “B” activator the customer indemnifies Epoxy-Coat of responsibility and customer accepts full responsibility for circumstances relating to conditions below. If a customer cannot accept these conditions, please call 800-841-5580 to return kits purchased.

Epoxy-Coat does not make any claims or warranty wearing of the coating.
Kit Coverage
Epoxy-Coat is a near 100% solids epoxy and will cover approximately 1600 sq. ft. per mil. If a customer applies the coating 10 mils DFT the coating will theoretically cover 160 sq. ft per gallon on a smooth (glass like) surface. As a result of surface conditions varying in smoothness, concrete porosity and coating thickness or varied thicknesses applied by customer (technique) Epoxy-Coat cannot control kit coverage. The kit coverage is estimated based on normal conditions and should not be considered by the customer to be guaranteed. If you feel you are at a close margin for coating coverage, Epoxy-Coat recommends that customer buy additional coating prior to starting the job.

Color Matching
Epoxy-Coat is manufactured in state of the art computer calibrated batches, but there is the possibility for slight color variations. It is not possible to create color batches exactly the same between batches. Epoxy-Coat does not warranty that buying a kit from an unrelated batch will achieve perfect color consistency. Even kits from identical batches could have varied colors as a result of thickness, temperature and humidity. Epoxy-Coat recommends that a customer purchase enough material prior to starting the job to easily cover their area with some to spare and always batch mix the colored Part “A’s” together for color consistency as detailed in the mixing section of these instructions.

UV Amber
Epoxy coatings can amber as a result of UV exposure with the amount subject to exposure. There is no determining when or how much ambering a coating may have as a result of these varied conditions.

Please consider using Epoxy-Coat UV Additive to reduce ambering if this is of concern, call 800-841-5580. Performance Polyurethane is recommended where very high stable UV resistance is desired. This product is also extremely mar resistant and is the only product we recommend as a top coat for exterior surfaces directly exposed to UV light.

Concrete Problems
It is not possible to apply 1 coat of Epoxy-Coat over a concrete surface without the possibility of bubbling, fisheye’s or color variations.

Concrete surfaces and all environmental conditions associated with coating vary from job to job; there is no guarantee that a one-coat application will be perfect every time. Concrete porosity, humidity, moisture in the concrete, surface and air temperature, accelerated temperature changes during or after application, sub surface and surface contaminants (like silicone automotive detail cleaners), etc. can each cause their own independent issues. As a result of these variables, Epoxy-Coat continues to adjust its formula to achieve the best results with high percentage environmental parameters. We are always testing and reformulating to achieve the ultimate goal of a perfect one-coat application for concrete or wood in all conditions. It is our recommendation that you follow all of the application rules to achieve the best result but we cannot guarantee your final coating appearance. We do recommend in extreme cases that you apply a second coat or a clear coat to reduce these conditions from adversely affecting your final coating appearance.
Note: One of the benefits of applying the Performance Premium kit is it does have more flake chips and also has a clear coat. When this is applied you have less chance of noticing or having conditions affecting your final cured coating appearance.

Bubbling or fish eyes will not adversely affect the bonding or performance characteristics of Epoxy-Coat.

Mixing and Curing
If mixing is not performed as specified, the customer may have slowed curing, non-curing or varied cured performance characteristics.

Once a customer mixes and applies the first batch mix please review to determine color, coverage and appearance. If the customer does not like the results STOP COATING and call Tech Support at 800-841-5580 to determine appropriate options. Do not assume that additional batches will give a different color, hiding or different appearance/result than experienced in the first batch. Epoxy-Coat does not warranty the replacement product in its kit for more than 1 batch mix. If it is found that there is a problem with the Epoxy-Coat product, and a customer does apply more than one batch mix, it is the customer’s responsibility for the 2nd, 3rd and/or 4th batches.
Frequently Asked Questions

Our expert Technical Hotline staff has collected the most frequent questions and answers here to help you plan and install your new floor.

If you have any questions during your application, call our Technical Hotline at 586 344 3469 to speak to one of our experts. Our Technical Hotline hours are M-F 6pm -9 pm, Sat. 12pm – 3pm and Sun. as needed EST.

Can my Epoxy-Coat be used for other surfaces other than concrete?
Yes you can coat concrete, wood, tile or metal where direct UV exposure is not present.

With new or uncoated concrete, do I have to prepare the surface?
Yes. You have to remove contaminants/latent and create a profile for the coating to properly bond. Shotblasting and/or Diamond Grinding is preferred for industrial, commercial and residential or institutional floors where the prep solution is ineffective. Visit www.epoxy-coat.com for further information on surface preparation procedures.

Should I power wash my floor?
It does help to power wash the floor to remove surface contaminants or loose coatings or debris. It does not eliminate the normal preparation steps, which we specify. Power washing removes contaminants but does not create the necessary profile for coatings proper adhesion.

How can I remove dried Epoxy-Coat from driveway concrete?
We recommend using a safe paint stripper (home use). You can also use a power washer or hand held diamond grinder to remove this stripper.

What do I do if the prep solution does not electively profile my floor?
You can purchase muriatic acid and re-etch the floor or diamond grind the surface.

Can I use Epoxy-Coat indoors and on basement floors?
Yes, Epoxy-Coat is safe and approved for indoor use. There are no VOC fumes.

Are there any other special requirements for indoor applications?
If your indoor floor, such as a basement concrete is in poor condition and needs to be prepped with a muriatic acid treatment, you will need a floor drain and ventilation. The muriatic acid does need to be rinsed down the drain and does produce some odors that must be ventilated.

Does the concrete need to be cleaned before using the clean & prep solution?
Yes, if there is contamination it must be removed.

How long does the standard coating take to apply?
Approximately 3 hours total for a normal garage.
Can I apply Epoxy-Coat over an existing coating? Epoxy-Coat can be coated over existing paints/coatings by simply making sure the existing coatings are cleaned, sanded (80-100 grit) and bonding. All areas that are not bonding must be diamond ground.

If I have new concrete will I need to prepare the floor as Epoxy-Coat instructions say? Yes. New concrete must still have a rough profile and clean surface prior to coating.

How long do I need to wait to coat new concrete with Epoxy-Coat? 30 days.

What temperatures can I apply Epoxy-Coat? 40-90 degrees F.

If you have bubbling problems during installation what should you do? Take a leaf blower and blow the top of the surface to remove the surface tension and removing the bubbles.

If you have contaminants on the floor and therefore have fisheye problems what should you do? Re-roll the floor until the fisheyes go away and prior to flaking/non skidding the floor.

How many square feet will a full kit cover? Up to 500 square feet at 9.7 mils Dry Film Thickness. Up to 240 square feet for 20 mils Dry Film Thickness. Most industrial floors apply at 16-20 mils Dry Film.

How long before the floor coating will wear out? Generally 20+ years.

Does the floor get slippery? Yes, when water or oil is present. Aluminum oxide non-skid is recommended to reduce this condition if you have excessive water or oil.

What are the flake chips for? They help with non-skid and help hide imperfections in the floor by adding decorative look.

Do the flake chips wear out? Generally no more than the coating.

Should we put aluminum oxide nonskid on the floor in addition to the chips? If the conditions present water or oil, it is recommended.

Does the non-skid wear out? Yes, in approx. 5 years.
Does the non-skid make the floor harder to clean?
If you mop the floor, it will be harder. If washed with a broom, squeegee or power scrubber, there is only a slight difference.

Does crack/mortar joint patching crack or peel?
All concrete moves. Mortar joints/saw cuts are engineered to allow for the movement of concrete. Cracks are the cause of more movement than the mortar joints/saw cuts will allow for. The coating will crack when the concrete moves but shouldn't peel away from the sand concrete around the crack.

Does the concrete need to be cleaned before using the clean & prep solution?
Yes, contamination must be removed.

How long does the standard coating take to apply, including preparation?
Generally 1, but 2 days at the most. (In most cases.)

Should I add thinner to the coating when mixing?
You may add up to 5% thinner to the mix for ease of application using xylene or MEK thinner only.

When taping when should I pull the tape up?
For ease or removal, remove tape between 2-3 hours after application at 70F

If I have fiberglass added to my concrete will Epoxy-Coat cover the little hairs that are present after floor preparation?
No. Using a gas torch burn the hairs from the floor prior to coating Coat the floor with first coat of Epoxy-Coat, wait 24 hours and sand vigorously.

How would I coat Epoxy-Coat over wood surfaces?
Simply remove sealers/waxes/contaminants/nails and use our flexible acrylic caulk to patch the seams and holes prior to coating. As long as the wood is clean and has a texture to it, the epoxy will adhere to it.

Should I patch cracks/holes/mortar joints prior to coating? How would I do this?

Epoxy-Coat recommends patching all cracks prior to coating. Due to the fact that mortar joints/saw cuts are engineered for movement Epoxy-Coat does not recommend patching them prior to coating. Epoxy-Coat patch kits and caulk can be purchased on line at www.epoxy-coat.com.
We want to thank you for your business and hope you enjoy years of happiness with your new floor coating!