

ARMORTALLIC METALLIC EPOXY COATING KIT APPLICATION INSTRUCTIONS

READ INSTRUCTIONS CAREFULLY BEFORE MIXING AND APPLYING

Issues with your order? Please contact ArmorPoxy for assistance: www.armorpoxy.com

Table of Contents

APPLICATION NOTES	2
BEFORE YOU START	4
KIT CONTENTS	5
PRODUCT APPLICATION STEPS	6
1. REMOVE FOREIGN SUBSTANCES	6
2. PRESSURE WASH AND ETCH	6
A. Alternate Prep (Floor Grinding)	6
1. Step One	6
2. Step Two	7
3. TAPE PERIMETER	7
4. FLOOR REPAIRS	7
5. FIRST LAYER: EPOXY PRIMER	7
6. SECOND LAYER: METALLIC EPOXY	8
A. MIXING AND FIELD TINTING	8
B. PRODUCT APPLICATION	9
7. THIRD LAYER: 1-PART MILITARY TOPCOAT APPLICATION	9
8. CLEAN UP	10
9. RETURN TO SERVICE	10
10. MAINTENANCE	10
FREQUENTLY ASKED QUESTIONS	11
ARMOR NO PREP PRIMER INSTRUCTIONS	12



APPLICATION NOTES

ArmorPoxy's ArmorTalic Epoxy Coating Kit should be applied between 50-90°F and when relative humidity is 80% or less. If cooler, add portable electric (not kerosene) heaters to the area to keep air temperatures higher. Material should be stored in a dry area at temperatures between 50-90°F. Do not store in warm/hot areas prior to use, as cooler material has a longer working time. Material must be above 60°F for installation. Install in areas with proper ventilation. Wear safety glasses, protective clothing and rubber gloves for the duration of preparation and application of coatings.

Floors with high moisture levels (damp) must be either pre-treated or covered with special coatings. To test for moisture, use our convenient Moisture Test Kit (visit website for more information) or tape down a sheet of 4' x 4' clear plastic sheeting on all four sides with duct tape. Wait 24 hours. If moisture builds up under the plastic, or if the floor is noticeably darker/damp, the next step would be to use a Moisture Test Kit to determine the actual level of moisture coming up through the floor. Moisture levels in excess of 3.5 lbs/1000 sq ft/24 hours are excessive and may need additional moisture treatment prior to application. If your floor has a high moisture level, please contact ArmorPoxy for assistance.

Tire staining is possible due to the plasticizers in tires. While this is rare for the floor to get tire stains, it can happen.

WHITE metallic color kits (Pearl & Great White) will receive a higher solids epoxy primer instead of the standard epoxy primer to ensure proper color for the metallic epoxy coat. Dry time for the basecoat is **12-24 hours** before the 2nd metallic coat layer.

ArmorTalic epoxy kits are meant to be applied to bare concrete only. Coverage can vary depending on floor condition. If your floor has pitting and irregularities you will not get as much coverage. **DO NOT USE PRIMERS THAT HAVE NOT BEEN APPROVED FOR USE** with this floor coating kit. Please note that some concrete may exhibit inconsistent absorption rates that could cause an uneven appearance or dullness. This problem is due to variations in the concrete when poured or uneven curing, and is not a product or warranty failure. These floors also would require primers.

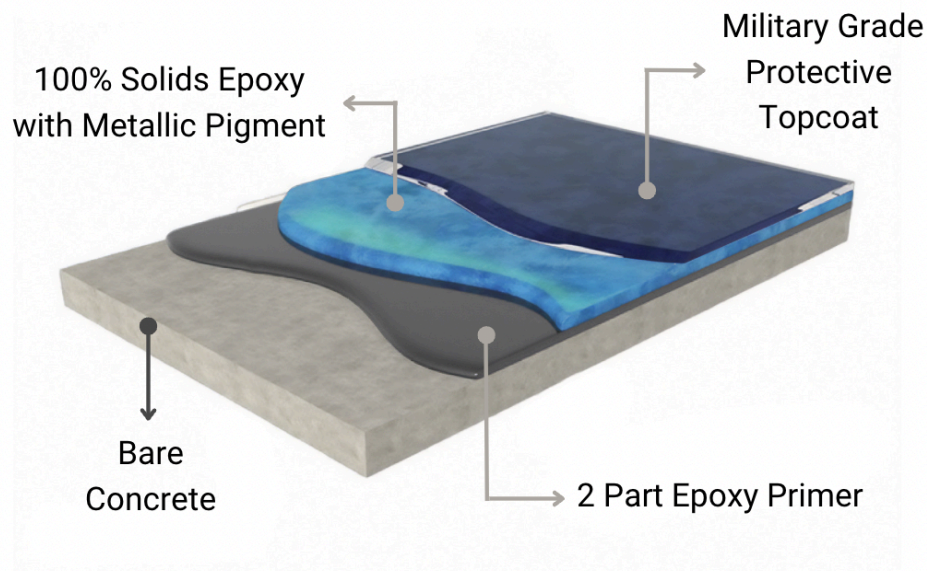
If your floor has an uneven appearance, or water soaks in inconsistently, then it may need to be primed. Remember, any coating can only stick to what is under



it, so if you do not remove an existing coating and it peels, so will the new coating. As noted above if you remove a prior coating we recommend the use of the optional primer.

INSTALLATION CHART				
	DAY 1	DAY 2	DAY 3	DAY 4
INSTALLATION TIMELINE	PREP FLOOR ACID ETCH. WAIT FOR FLOOR TO DRY OVERNIGHT	PRIME WAIT AT LEAST 6 HOURS FOR FLOOR TO DRY OR OVERNIGHT *See note above on Pearl and Great White	METALLIC EPOXY COAT WAIT FOR FLOOR TO DRY OVERNIGHT OR 24 HOURS	TOPCOAT WAIT FOR FLOOR TO DRY OVERNIGHT OR 24 HOURS
DRY TIMES	DRY TO TOUCH 12-24 HOURS	FOOT TRAFFIC 24 HOURS	LIGHT EQUIPMENT 48-72 HOURS	VEHICLE TRAFFIC 5-7 DAYS
APPLICATION TEMPERATURE	50-90°F LOWER TEMPERATURES WILL INCREASE DRY TIMES	RELATIVE HUMIDITY	80% OR LESS	

ARMORTALLIC EPOXY SYSTEM





BEFORE YOU START

- **SUPPLIES** You need to supply the following items: standard 9" roller frame, painting extension pole, and power drill as these items are not included in the kit. Other suggested items are measuring cups, roller tray (for the topcoat), a plastic or cloth drop cloth to mix on and xylene or similar cleaner and rags for cleaning hands or drips.
- **ETCH** ArmorPoxy's Etch is a mild, powdered citric-based cleaning agent. It is not dangerous, however it is best practice to always wear protective eyewear, rubber gloves, and keep skin covered when applying.
- **OLDER, STAINED, FIBER REINFORCED OR HIGHLY POLISHED CONCRETE** Concrete that has been in service for extended periods of time, particularly garage floors, becomes polished from the repeated traffic in the common areas. Also, impurities and chemicals from tires become trapped in the porous surface. The use of tire shine products like 'Armorall' also creates resistance to most coatings. These conditions may require additional treatment to create a strong bond for ArmorPoxy's coatings.
- **SURFACE PREP IS THE MOST CRITICAL STEP** to assure peak performance of the ArmorTalic epoxy kit system. It is important to apply the product to a clean, well-prepared surface. The surface must be free of debris, loose or flaking concrete, dirt, oil, curing compounds, previous coatings, sealers, and loose paint. Even new concrete must be cleaned to remove dirt, dust, and salts that form as the concrete cures.

DO NOT SKIP THE PREP STEP. IF FLOOR IS NOT PREPPED FAILURE OR UNEVEN OUTCOME CAN OCCUR.

- **SAFETY** As with any chemicals, avoid contact with skin, avoid inhalation and wear protective clothing, rubber gloves and eye protection. Apply only in well-ventilated areas. Follow all local, state, and federal regulations that may apply to your region. See our website at www.armorpoxy.com for Safety Data Sheet sheets.
- **CLEAN UP** Clean up with xylene (xylol) available at any paint or hardware store.
- **THINNING** ArmorPoxy may be thinned by adding up to 1/2 cup (4 oz) of xylene (xylol) per gallon of mixed materials
- **FIRST AID** For skin contact, wash thoroughly with soap and warm water. In case of contact with eyes, flush with warm water and immediately contact a physician or go to the emergency room of your local medical center or hospital. If swallowed, do not induce vomiting. Contact a physician and the poison control center.



KIT CONTENTS

WHAT'S INCLUDED?

Metallic Epoxy system includes all the materials you need for SELF INSTALLATION!



2 Gal: 2-Part
Epoxy Primer



6 Gal: Clear
100% Solids Epoxy



2 Gal: Military
Grade Topcoat



Mixing Bucket



Non-Skid Additive



Acid Etch



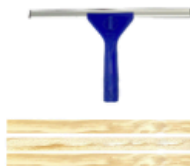
24 Oz: Metallic Pigment



Metal Mixer



Roller Pads



Wooden Mixing
Sticks & Squeegee



Gloves & Paint Brush



Spiked Shoes

*Image above represents a 600 SQ FT kit. Any smaller kit will come with less coating product. Please note Metallic Pigment Color choice is 1 color per 600 square foot kit. Additional pigment colors can be purchased separately and used in conjunction with this kit to create unique and customized designs. Please contact your sales representative for more information and pricing. **White-colored (Pearl / Great White) kits will come with a different epoxy primer for proper color representation.**



PRODUCT APPLICATION STEPS

1. REMOVE FOREIGN SUBSTANCES

Remove foreign substances. Scrape off any surface debris such as putty, paint, oil or dirt so that the surface is smooth and even. Use running water from a hose with nozzle, or a pressure washer to flush the entire area to remove any loose dirt and debris from the surface. For oil stained areas, use an oil degreaser to help clean the area before proceeding.

i Hint: If you do not have a pressure washer, renting one at a local home center or paint/hardware store makes this job much easier, faster, and will get the floor cleaner.

2. PRESSURE WASH AND ETCH

Add the ArmorPoxy Powdered Etch to 2 - 4 gallons of warm water in a pail and mix for approximately 30 seconds - 1 minute until powder is completely dissolved.

- 1lb of powdered etch concentrate requires 2 gallons of water
- 2lbs of powdered etch concentrate requires 4 gallons of water
- Note: Adding more water will dilute etch concentrate. For stronger etching solution, use less water

Wash the floor down first. While the floor is wet, spread the mixed etching solution over the area to be coated with the aid of a broom or mop and allow it to soak in for approximately 10 minutes. You may notice some slight foaming or bubbling which is normal.

While the solution is soaking, scrub the floor with a bristle-type broom or scrub brush on a stick. Rinse the entire surface with plenty of fresh, clean water to remove all of the spent solution, and to remove emulsified oils and grease as well as any loose dirt or debris.

i Hint: Wet Down your driveway or planted areas with a hose first before rinsing out the etch solution. This helps to protect any minor etching from occurring to an area where you don't want etching to occur.

i Hint: Sweep off any puddles of water with a clean broom prior to beginning the installation. After removing the standing water the floor should be clean. If it does not appear to be clean or appears to be saturated with oils, then you must repeat the surface prep instructions above or use a commercial degreaser. A wire brush may be needed for extreme areas. Begin installation when the concrete surface is clean and dry to the touch and has 'whitened' back. This normally occurs overnight but can take longer based on temperature and humidity. Do not coat a damp or wet floor, as bubbling from evaporation could occur.

A. Alternate Prep (Floor Grinding)

You can also prep your floor by using a 'diamond floor grinder', rented 'Diamabrush Tool', or concrete floor sander which are available at local tool rental stores. (Wood sanders will not work on concrete) This method also works very well to remove existing paints, coatings, and sealers. Make sure that you vacuum any grinded areas well, as grinding and sanding creates a lot of dust. Note that if you do mechanically prepare your floor, you should contact ArmorPoxy to purchase the optional epoxy primer.

1. Step One

Before cleaning and degreasing as noted in the instructions, these areas should be sanded and brushed to remove the impurities and to create a rougher surface to apply the ArmorPoxy. This sanding can be done with an electric sander/buffer with a medium abrasive pad, or it can be accomplished by hand sanding the areas with medium grit oxide type sandpaper. Please note that standard wood sandpaper or tools do not work properly on concrete. You can also re-etch these areas with acid etch at a higher concentration to achieve desired results.



i Hint: When sanding by hand, use a drywall sanding pad and extension pole to simplify the process.

2. Step Two

After sanding and brushing with a wire brush, rinse the areas involved to remove all dust and foreign materials. Then proceed with the cleaning and degreasing process described above.

i Hint: Test all stained, polished or sealed areas by dribbling water droplets on those areas. If it still beads up, repeat mechanical prep until water beading stops.

3. TAPE PERIMETER

Mask off the perimeter with standard masking tape or duct tape to any areas that you don't want to coat, such as perimeter edges and the area extending beyond where the garage door comes down. ArmorTalic coating kit is not designed for continuous outdoor exposure and should be terminated at the inside of the garage door and not over the garage exposed apron.

4. FLOOR REPAIRS

No liquid coating will 'fix' a floor, so any cracks, divots, spalling, roughness, leveling or other repairs must be done prior to applying the coating. For more information see the online ArmorPoxy 'Help Center' for the Surface Prep Memo and/or Corroded Floor Bulletin. ArmorPoxy carries a variety of floor repair products, including Crack Repair Epoxy Putty and Epoxy Mortars. Small cracks may be fixed by using locally-purchased 'Sikaflex brand' caulk or a comparable product. **DO NOT use any silicone caulks or sealers.**

5. FIRST LAYER: EPOXY PRIMER OR WHITE EPOXY BASECOAT

Armorpoxy low voc primer is a two-part industrial grade epoxy. We will supply either a dark gray, black or white colored primer depending on pigment color choice. The Armorpoxy Low VOC primer is a **4:1 (Dark Blue Labels) mix ratio**. It is self-priming on cement surfaces. Use the included mechanical mixer to ensure proper and thorough mixing. MAKE SURE TO MIX COMPLETELY BY MOVING THE MIXER ALONG THE SIDES AND BOTTOM, AS ANY UNMIXED MATERIAL MAY NOT HARDEN. MIX FOR 2-3 MINUTES AT HIGH SPEED. DO NOT ENTRAIN AIR BUBBLES. Once mixed it applies like a standard thick paint and no special skills are required for application.

White metallic kit applications (Pearl & Great White) will come with a high solids White epoxy primer for a basecoat (gray labels). The **mix ratio is 2:1**. Use the included mechanical mixer to ensure proper and thorough mixing. MAKE SURE TO MIX COMPLETELY BY MOVING THE MIXER ALONG THE SIDES AND BOTTOM, AS ANY UNMIXED MATERIAL MAY NOT HARDEN. MIX FOR 2-3 MINUTES AT HIGH SPEED. DO NOT ENTRAIN AIR BUBBLES. Once mixed it applies like a standard thick paint and no special skills are required for application. Working time is 30 minutes.

Do not mix more than you can apply in a 30 minute time frame as once mixed, the primers harden and cannot be stored under any circumstances.

Once the epoxy primers have been applied and the area has been coated the next step is to wait until it is dry enough to epoxy the metallic middle layer.

Cure time will vary based on humidity, air temperature, floor temperature, and thickness applied. Typically this first layer of ArmorPoxy low voc epoxy primer will dry in 6 hours. The high solids White epoxy primer will dry in 12-24 hours. Depending on temperature and humidity floors may take longer to dry especially in colder environments. You will know if this coat is ready to be recoated with ArmorUltra 100% Solids epoxy by performing a thumb test. If you press your thumb to the floor and you can see your imprint, then the coating needs more time to dry. If your thumb does not leave an imprint then the coating is dry enough to begin using the 100% Solids epoxy



*NOTE: You can mix as much or as little epoxy as you want, just make sure to hold the proper mix ratio of 4:1 for the low voc primer (blue labels) and 2:1 for the White epoxy primer (gray labels). Armorpoxy primer is applied with a medium nap, no lint roller (the rollers that are supplied with this kit). It can also be brushed and sprayed on. Unmixed epoxy can be stored in its original containers.

6. SECOND LAYER: METALLIC EPOXY

A. MIXING AND FIELD TINTING

1. Add the proper quantity of **metallic pigment** to all of your Part A's **the night before application**. Mix by hand or power mixer for 2-3 minutes until all the pigment is well disbursed. Place the lid or cap back on the container to avoid contamination. This allows the pigment to disburse more evenly and greatly helps decrease 'fish eyeing' or 'cometing' during application. Our kits come with 1 standard metallic pigment color but more can be purchased and used to create unique and custom looks. Mix in all of the pigment thoroughly. This step gives you an even Part A to work with. IF YOU PLAN ON USING TWO COLORS OF METALLIC PIGMENT., EVENLY DIVIDE YOUR PART A AND MIX YOUR COLOR PIGMENTS EVENLY INTO EACH PART A SO YOU HAVE ON HAND THE PRE-COLORED PART A WHICH YOU WILL LATER ON MIX WITH THE PART B.

i Hint: We recommend mixing 12 oz Metallic Pigment per 3 Gal of mixed 100% Solids Epoxy.

2. **DO NOT MIX WITH PART B YET.**
3. Plan the metallic application step by figuring how much epoxy you can mix, apply and achieve your 'look' in about 45 minutes. The 100% Solids Epoxy has **20-30 minute working time**, and then it starts to cure and you won't be able to 'work' it after it starts hardening. Mixing up smaller batches of the epoxy and hardener and getting it out of the bucket and onto the cooler floor will give you more time. We don't recommend mixing more than 1.5 gallons (1 gallon of part A with ½ gallon of part B at a time). The mix ratio is **2 PARTS OF PART A WITH 1 PART OF PART B**. You can mix as much or as little at a time as you want to, as long as you hold this 2:1 ratio, and mix A and B together very well.
4. Remix your metallic Part A and then Mix your A and B together at the 2:1 ratio.
5. **Mix the two components together for 2 to 3 minutes on medium to high speed with the drill attachment, but not any longer.** Move the mechanical mixer up and down and along the sides of the bucket through the contents while spinning the container so that you get ALL of the material mixed, not just the material at the bottom of the pail. Make sure to run the mixer along the sides of the pail too. Be careful to not mix at too high of a speed, which could cause bubbles to form.

i Hint: When mixing the Part A and Part B together you will notice 'veins' appear. These veins should dissipate once mixing is complete. Be sure to scrape the sides and bottom of the containers to assure that all the material is properly mixed. Improperly mixed resins will not harden properly or show color variations when applied. If in doubt, mix a little longer. All Armorpoxy products are tested prior to shipping for hardening. Improper hardening is not covered under the warranty as the only thing that can cause this is improper mixing or very high floor moisture levels.

i Hint: After the components are measured and mixed together you have approximately **20-30 MINUTES of working time to apply at 70°F**. Working times are shorter the warmer it is, and longer if it's cooler. Work diligently and get the mixed epoxy onto the floor. Once the epoxy is on the floor, you'll have more working time than when it's in the bucket due to the floor's temperature. Once the epoxy is out of the bucket and on the floor, work quickly to avoid premature hardening and product failure. Premature hardening is not covered under warranty. You can mix as much or as little of the material as you like, as long as you hold the mix ratio (2:1).

i Hint: High Temperatures will shorten the amount of working time



- i** Hint: Do not mix in direct sunlight. Keep mixed and unmixed material in the shade
- i** Hint: Higher ambient temperatures can cause hardening prematurely. Getting the mixed material onto the floor quickly will also help to slow down the curing process and extend working times.
- i** Hint: Armorpoxy's ArmorTallix is a 100% solid resin and is a 'thick' coating. If you find that it is too thick to apply due to temperature or other conditions, you can thin it a bit by adding up to 1/2 cup of xylene (also known as xylol) to each gallon. Thinning will enhance workability and working time. Do not over-thin.
- i** Hint: You must mix thoroughly. Make sure to move the mixer up & down throughout the mixture. Make sure to mix along the sides and bottom. After completing mechanical mixing, use mixing sticks supplied to assure no residual un-mixed product remains on sides or bottom. Unmixed material will not harden and could result in needing repairs after application.
- i** Hint: **Coverage of 100% Solids Epoxy:** When applied to a smooth/dry surface, coverage is approximately 300 sq.ft per 3 gallon kit of 100% solids epoxy. Coverage calculated @ 25-30 mils thickness. This is equivalent to 4 layers of standard floor paint. Topcoating adds an additional layer of protection and thickness.

B. PRODUCT APPLICATION

1. Pour the epoxy on the floor in a ribbon left to right. Have your flat squeegee ready to go and spread it out evenly. You can swirl it around to create unique and custom looks and impressions. You can use a variety of methods to achieve decorative results including spraying, squeegeeing, etc. The epoxy will also change as it 'levels out'. **Spraying on denatured alcohol from a hand pump sprayer can make the epoxy 'dance and swirl'**, you would do this onto the spread epoxy. If you are using a second metallic color add small amounts of it at this time and swirl into the first color to get the results you want. Get as much of your mixed epoxy on the floor as fast as possible as the floor is cooler and this will slow down the curing process and give you more time to work. Keep mixed epoxy cool and in the shade, out of sun and heat.
2. Once you have achieved the look you want, let the metallic epoxy cure overnight.
3. **TOPCOAT MUST BE APPLIED THE FOLLOWING DAY ONCE FLOOR IS COMPLETELY DRY WITHIN THE RECOAT WINDOW OF UP TO 48 HOURS.**

- i** Hint: Do not leave mixed material in the bucket or in the sun for extended periods of time.
- i** Hint: Do not use a roller pan for the epoxy step. Pour the mixed materials directly to the floor as the floor is always cooler than the air and it will extend working times.
- i** Hint: Do not apply the topcoat until the floor is fully cured. You can press your finger to the epoxy and if you can see your finger print please allow more time for the floor to cure

7. THIRD LAYER: 1-PART MILITARY TOPCOAT APPLICATION

The clear protective topcoat is a 1-pt moisture curing urethane. This product once applied over the ArmorTallix 100% Solids epoxy is fully dry enough to walk on the next day (overnight, but can be sooner depending on temperature or humidity conditions). **TOPCOAT MUST BE APPLIED WITHIN ONE DAY AFTER METALLIC EPOXY HAS BEEN PUT DOWN.** IF IT HAS BEEN MORE THAN ONE DAY SINCE THE EPOXY METALLIC COAT HAS BEEN APPLIED, THE SURFACE NEEDS TO BE LIGHTLY SANDED BEFORE TOPCOATING CAN BEGIN. AFTER SANDING TACK WIPE THE FLOOR WITH DENATURED ALCOHOL AND ENSURE TO NO DUST AND DEBRIS REMAIN.

Please note that use of any non skid additive will de-gloss the floor so you may not want to use it, but this can make the floor very slippery if wet or greasy. **Armorgrip is supplied with this kit.** It is a micronized polymer that gets mixed into the topcoat and will be invisible to the eye when dry. This however can slightly de-gloss the floor and is not mandatory to use to achieve success; however we highly recommend using it to ensure there is enough traction on the floor when it's dry.



Use 1 package of Armorgrip per gallon of topcoat. Slowly pour the contents of the non-skid into the topcoat and mix well to thoroughly suspend in the mixture. **THE TOPCOAT SHOULD BE APPLIED WITH A ROLLER ONLY. DO NOT USE A SQUEEGEE AT ALL FOR THIS APPLICATION**

i Hint: The non skid will settle while mixed in the topcoat, so periodic stirring to re-suspend the nonskid is required during the application process to assure uniform application of the anti-slip aggregate.

Please note that if you notice any uneven or problem areas with your application, do not apply the topcoat until you have rectified those issues. Normally topcoat will not 'fix' issues with the epoxy application.

8. CLEAN UP

ArmorTalic epoxy can be cleaned off hands and other surfaces with xylene (xylol) or similar solvent cleaners before the material begins to harden. Warm soap and water may also be used if the epoxy is still wet. Sticky resin on hands can be removed with mineral spirits or xylene. Fully cured ArmorPoxy can only be removed with industrial paint strippers available from us, or through mechanical methods such as grinding or sanding. Any leftover mixed materials, paint brushes and roller covers will harden once the material cures and should be disposed of according to your local regulations.

9. RETURN TO SERVICE

ArmorTalic epoxy coating kit should cure for at least **24 hours** before opening the area to foot traffic. Wait 5 days before driving across and parking a car on it. Extreme temperatures and humidity levels can dramatically impact curing times. If the floor is not 'rock hard' after 72 hours @ 75°F., then do not drive on it and call for assistance.

We recommend waiting overnight between coats of primer, epoxy, and topcoat

10. MAINTENANCE

ArmorPoxy products are easy to maintain through periodic mopping with a non-bleach household detergent solution and rinsing with clear water. Clear topcoats should be re-applied based on usage, salt/winter exposure, and wear, as part of a regular maintenance program. Armorpoxy sells topcoat alone, please contact us for information.



FREQUENTLY ASKED QUESTIONS

My concrete is relatively new, do I still need to clean the floor before applying ArmorPoxy?

- Yes, construction dust, drywall paste, and paint splatters can affect the bond. Lime, which is an ingredient of concrete, floats to the top while it cures and must be treated. Scrape foreign substances from the floor and then clean the floor with the etching solution. This is a mandatory step. Skipping the prep step can cause failures.

My floor is newly-poured, how long do I have to wait?

- Normally a slab needs 30 days to cure. It can be less or more depending on conditions. Perform a moisture test as indicated in the above instructions.

Do I have to remove old coatings or paint before I apply ArmorPoxy?

- Yes. Pre-existing coatings need to be mechanically removed prior to use of the ArmorPoxy's epoxy kit. The epoxy kit may form a bond on these surfaces (if left untreated) that is stronger than the bond of the old coating on the concrete. This could cause the old coating to pull away from the concrete, leaving an uncoated area. Leaving old coatings untreated can cause flooring failure due to entrapment of moisture. If you are unable to remove the old coating then please contact ArmorPoxy for recommendations on what to do next. Any previous coating remaining must be sanded or roughed up for proper adhesion. In addition, previously coated floors should be primed with the optional ArmorPoxy Epoxy Primer to even out porosity and to assure an even finish. Contact ArmorPoxy to purchase. **Failure to adhere to this can cause coating failure.**

I have stains on my concrete caused by the tires of my car. Do these areas have to receive special treatment before coating?

- Tires contain chemicals that leach into the concrete over time. Residual 'tire shine' from car washes also resists coatings. If too many of these substances are trapped in the concrete, then the epoxy kit will not adhere to them and it won't stick. These dark areas should be sanded with a rough sanding pad, scrubbed with a wire brush, and then etched using the supplied Powdered Etch Concentrate. Make sure to rinse and wash the floor thoroughly before coating with new materials.

I may have a clear sealer on my floor. How can I determine if I need extra surface prep?

- The easiest way to determine this is to sprinkle water on the questionable areas of your floor. If the water beads, you have a foreign substance that must be removed. Sanding or etching can be used to rectify this problem. Also diluted muriatic acid has been shown to help as well. Test again with water to assure proper sealant removal. Repeat as necessary until no water beading occurs.

I think I may have a moisture problem, how do I determine that?

- To test for moisture before you coat, use duct tape to tape down a sheet of 4' x 4' clear plastic. Tape down all 4 sides completely. Wait 24 hours. Check for moisture buildup under the plastic. If moisture builds up then moisture is present in the floor. Contact ArmorPoxy immediately for next steps before applying new coatings.

Can I apply multiple coats of ArmorPoxy over a period of time?

- Yes, no special surface prep is required if the additional coats are applied within 1 day. If a longer period goes by, then the area should be sanded lightly to create a rougher surface to which the epoxy kit can adhere to.

Do I really need to add the anti-slip aggregate to the glaze coat?

- Any coated surface, especially a high quality smooth surface, can be slippery when wet or when exposed to oils and grease. As a safety feature, we highly recommend that the anti-slip aggregate be added to the final coat.

I have some cracks in my floor. Should I fill these in before applying the ArmorPoxy?

- Filling the cracks may yield a smoother, more aesthetically pleasing floor since any liquid coating will not fill in cracks 100%. If you have cracks, our Epoxy Crack Filler kit works very well for hairline and smaller cracks. Urethane or epoxy caulks may also be used. Another idea is to hide the cracks with the decorative chips. Do not use silicone-type caulks or fillers, as they will resist the epoxy.

How long should I wait between coats and when can I use my garage after final application?

- We recommend waiting overnight between coats. Once the final coat is applied you can put your belongings back on the floor the following day when the floor is cured enough to walk on. Vehicular traffic and heavy equipment/storage units should wait 4-5 days before being brought back onto the floor.



ARMOR NO PREP PRIMER INSTRUCTIONS

DESCRIPTION

Armor No Prep Primer is a 1-Part nano coating that can be used to prime surfaces that are already coated and removing the coating by mechanical means will be too laborious or the environment does not allow for it. Armor No Prep Primer can be used **IN ADDITION** to the ArmoTalic Metallic Coating Kit as the first primer layer coat. Below are detailed instructions should you purchase the Armor No Prep Primer. This product **IS NOT INCLUDED** with kits and **MUST** be purchased separately directly from Armorpoxy, Inc.

SURFACE PREPARATION PREPARATION

Protect all surfaces not designated for coating application. Do not apply to surfaces that are frozen, dirty, or have standing water, grease, oil or other contaminants. Intended surfaces must be clean, dry and absorbent. Confirm surface absorbency with a light water spray - intended surface should wet uniformly. If the surface does not wet uniformly, use a recommended cleaner, auto scrubber, power washer or other process to remove surface contaminants. Surface must be clean and dry prior to application.

NEW CONCRETE

Remove all dust, debris, and other contaminants from the surface. If concrete is less than 28 days old, Armor Green HLT must be used prior to No Prep Primer. With Armor Green HLT new concrete can be coated 96 hours after pour. Refer to Armor Green HLT application instructions and TDS for how to install properly.

EXISTING CONCRETE

Intended surface must be clean, dry and structurally sound. Remove any and all contaminants including bond breakers, surface grease and oil, dust and construction debris. For larger surface areas, use an auto scrubber with an appropriate cleaner. Surface must be dry prior to application of Armorpoxy products.

SURFACE & AIR TEMPERATURE

45 - 105F (7 - 40C)

EQUIPMENT

For horizontal substrates, use an acetone-proof pump sprayer with a cone tip. For vertical/upright substrates, use an HVLP spray gun.

STORAGE & HANDLING

Store in a cool, dry place <80F. Always seal the container after dispensing. Published shelf life assumes upright storage of factory-sealed containers in a dry place <80F.

PRE-APPLICATION



Before use, read Preparation, Hazard and Precautionary Statements. ALWAYS TEST using the equipment and procedures prior to starting the job.

TYPICAL COVERAGE RATES (SQUARE/FEET)

Smooth Concrete 500-600 | Concrete Block 200-250 | Broom Finish 250-300 | Concrete Pavers 250-300 Diamond Grind 150-250 | Concrete Slab 250-300 Coverage rates will vary based on substrate porosity and application method

HORIZONTAL SURFACES

Ensure surface is free of any dust, debris and other contaminants. Solvent wipe with Acetone prior to application of No Prep Primer. If solvent wipe pad appears black/very dirty after wipe, surface is not clean and must be cleaned with an auto-scrubber and an appropriate cleaner/degreaser. Once surface is clean and dry, No Prep Primer application may begin. Use an acetone proof pump sprayer, ex. Swissmex or Chapin, with a cone tip. Keep the spray tip 18 inches off the ground and apply the product slowly in a circular motion, similar to how a stain is sprayed on concrete. On broom finished, troweled, ground or non-polished concrete, spray at least two coats wet on wet, 3-4 mils WFT each. Apply with a 50% overlap, keeping a wet edge while applying. Observe how the concrete absorbs the first coat for at least 5 minutes. If the surface still looks the same as before the No Prep Primer application and not wet/saturated, additional coats are required in the dry, non-enhanced areas. Concrete must be saturated for No Prep Primer to work properly.

APPLICATION

Once concrete is saturated, wait at least 15 minutes for No Prep Primer to become tacky. Once tacky, No Prep Primer may be over coated with non-water based coatings like ArmorPoxy Epoxy. Do not apply over coat until No Prep Primer is tacky. Failure to wait until tacky will result in fish eyes, over coat shrinking away from coating perimeter, and poor finish of top coat. Once No Prep Primer is tacky, you have 90 minutes to apply over coat. If overcoat window is missed, screen floor and reapply No Prep Primer.

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