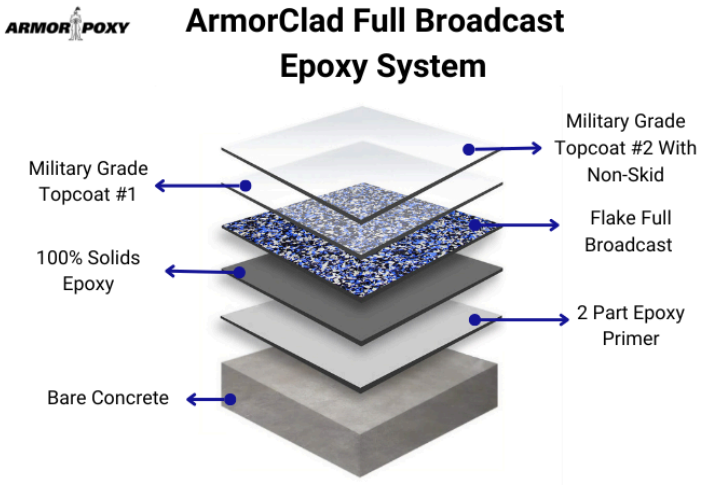
ARMORCLAD FULL FLECK BROADCAST EPOXY COATING KIT APPLICATION INSTRUCTIONS

READ INSTRUCTIONS CAREFULLY BEFORE MIXING AND APPLYING

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

---

Table of Contents



APPLICATION NOTES

ArmorPoxy's Armorclad 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 proper PPE such as 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.

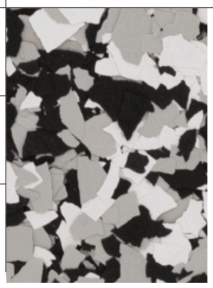
ArmorClad epoxy kits are meant to be applied to bare concrete only. Coverage can vary depending on floor condition. If your floor has pitting and irregularities you will not get as much coverage. If floors have salt or corrosion damage, have been mechanically prepared by grinding or shot blasting, have been previously coated, are 'broom' finished, have patch materials on them, are porous, or in poor condition yield of materials can greatly vary. **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.

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 ensure you **use the primer provided with this kit.**

ARMOR POXY

EPOXY KIT CONTENTS

FULL FLAKE BROADCAST KIT ITEMS

	100% Solids Epoxy		Armorpoxy II Primer
	2-Part Military Grade Topcoat		Metal Mixers
	Mixing Buckets		Powdered Acid Etch
	Roller Pads		Non Skid For Topcoat
	Paint Brushes		Gloves
	Flat Squeegees		Decorative Colored Fleck Chips 10 lbs per 100 SF
	1 Pair of Spiked Shoes		
	Wooden Mixing Sticks		

INSTALLATION CHART				
	DAY 1	**DAY 2**	**DAY 3**	**DAY 4**
INSTALLATION TIMELINE	**PREP FLOOR** IF ACID ETCHED WAIT FOR FLOOR TO DRY OVERNIGHT	**1.PRIME** WAIT MINIMUM 6-8 HOURS FOR PRIMER TO DRY **2.COAT WITH EPOXY & FLECK** WAIT FOR FLOOR TO DRY 16 HOURS OR OVERNIGHT	**SCRAPE AND 1ST TOPCOAT** WAIT FOR FLOOR TO DRY OVERNIGHT	**2ND TOPCOAT** WAIT FOR FLOOR TO DRY OVERNIGHT
DRY TIMES	**FOOT TRAFFIC** 24 HOURS	**LIGHT EQUIPMENT** 48 HOURS	**VEHICLE TRAFFIC** 5-7 DAYS	
APPLICATION TEMPERATURE	50-90°F	**RELATIVE HUMIDITY**	80% OR LESS	

ARMOR POXY

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 ArmorClad Full Broadcast 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.

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.

ℹ️ 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.

ℹ️Hint: 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.

ℹ️Hint: 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.

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.

ℹ️Hint: 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.

ℹ️Hint: 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. ArmorClad 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. PRIMING

The primer comes in 3 versions, a standard VOC which is a **1:1 mix (orange label),** and a low VOC version which is a **4:1 mix** (dark blue label), or our **No Prep Primer** (see appendix). Primer is packaged as primer and/or Armorpoxy II or ArmorUltra Primer which are the compatible primers for Armorclad. Versions supplied this kit will be based on color choice and shipping state.

Mix the primer in a bucket at the proper ratio listed on the can based on which version you are using. Mix thoroughly with the included mixer, making sure that there is no unmixed material remaining in the container. Pour onto the floor and roll out a nice even thin coat. It is normal to have some unevenness or blotchiness for this step which will be corrected when the epoxy layer is applied. Allow the floor to dry for a minimum of 6-8 hours or wait overnight before moving onto the next step. **No other prep such as sanding or cleaning is needed to apply the epoxy layer.**

- **STD VOC ORANGE LABEL 1 PART A:1 PART B MIX RATIO**
- **LOW VOC BLUE LABEL 4 PART A:1 PART B MIX RATIO**

ℹ️Hint: Allow to cure a minimum of 6-8 hours OR wait overnight for floor to dry To test for dryness put your thumb to the ground. If you can see your thumb imprint then the floor needs more time to dry.
ℹ️Hint: If you wait beyond 48 hours after applying the primer coat then we STRONGLY suggest doing some light prep before moving onto the next step of applying the epoxy. In order to re prep the floor you can lightly sand it with a sanding pole, vacuum, sweep, and then use denatured alcohol and a microfiber mop to clean off any residual dust that is left behind.

6. MIXING

ArmorPoxy's ArmorClad Epoxy is a two component, pre-tinted 100% solids-type industrial grade epoxy resin. It requires thorough mixing of the Part 'A' and Part 'B' components at the proper 2:1 mix ratio for the material to properly harden. Mixing MUST be done by using and attaching the metal mixing tool provided in the kit to a power drill on medium to high speed for 2-3 minutes.

The Mix ratio is 2 Parts A to 1 Part B and the kit is pre-measured.

- **3 Gallon Kits contain 2 Gallons of Part A and 1 Gallon of Part B**
- **1.5 Gallon Kits contain 1 Gallon of Part A and ½ Gallon of Part B**

If your kit is supplied with a 3-gallon kit, we do not recommend mixing all of the 2 gallons of Part A and 1 gallon of Part B together at the same time since. When this much material is mixed together it starts an exothermic (heating) reaction, which can cause pre-hardening in the bucket before application. **Generally mixing half of the Part A and half of the Part B is recommended at the maximum.** Remember you can always mix less, but should not mix more than 1.5 gallons at a time (1 Gallon A and ½ Gallon B). Always hold the 2:1 mix ratio for any quantities mixed.

REQUIRED: If you purchased more than 1 kit (for example a 600 SF Master kit and a 300 SF Add on Kit) you MUST mix the A (COLORED) portions together FIRST to assure color even-ness. The reason for this is the 100% solids epoxy formulations cannot hold color tolerances between batches like interior latex-type paints so if you don't do this, color variations could occur and **this is not covered under our warranty**. It is ok to expose to the air, as hardening does not occur until the part B hardener is added. Keep the lid on any unused Part A prior to mixing to keep it fresh, and dust out of it.

ℹ️Hint: If you desire to 'cut in' corners, or paint along the walls this should be done before coating the rest of your floor. You can mix up smaller quantities of the epoxy by simply pouring out what you want into smaller measuring containers and holding the 2:1 mix ratio (2 Parts of A with 1 Part of B).
ℹ️Hint: If possible, if you are applying during warmer months, keep the ArmorClad materials inside in a cool environment the night before.
ℹ️Hint: ArmorPoxy ArmorClad kits come packaged in a mixing pail with two short-filled inner jugs (1 x 2 gallon Part A + 1 x 1 gallon Part B). Please note that the inner jugs are not filled to the top on purpose, however they do contain the correct amount of epoxy. This packaging allows for safe shipment of the materials. We do not recommend mixing all 2 gallons of Part A with the 1 Gallon of Part B at the same time as it will pre harden, and this is not covered under warranty. Please keep in mind the working time once mixed is approximately 15-25 minutes.

7. MIXING A & B EPOXY

Rotate and shake the Part A Jug so the colored pigment that has settled at the bottom of the jug is spread evenly in the Part A jug. Next, pour into the mixing bucket the amount of Part A you plan to use and mix with a metal mixer to continue combining the pigment so you have a consistent color.

Pour 2 parts from Part A and 1 part of part B into a larger container or bucket that can hold at least the total amount you are mixing. We **STRONGLY** recommend mixing up no more than **HALF** of the contents of each A and B bucket, and then applying to the floor, and then repeating to avoid pre-hardening and having to rush through the project.

ℹ️Hint: Our packaging always is pre-measured at the proper mix ratio, but we do not recommend that you mix up all of the ArmorPoxy at a time.

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.

ℹ️Hint: 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.

After the components are measured and mixed together you have approximately **15-20 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).

ℹ️Hint: High Temperatures will shorten the amount of working time
ℹ️Hint: Do not mix in direct sunlight. Keep mixed and unmixed material in the shade
ℹ️Hint: 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.
ℹ️Hint: Armorpoxy's ArmorClad is a 100% solids 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.
ℹ️Hint: 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.

8. PRODUCT APPLICATION - FULL FLECK BROADCAST

1. Apply the mixed epoxy to the floor using the rollers provided. Epoxy should be applied at 200 SF per gallon. Thicker applications will increase the cure times. Keep product cool and out of direct sunlight to avoid pre-hardening. Be sure to evenly roll out the epoxy coating and ensure no puddling or pooling of materials is visible. If this does happen ensure to roll out evenly until the materials are well disbursed.
2. Be sure to use the chip brush to cut in around corners and any other immovable equipment or posts. Once the floor has been fully coated, examine for any missed spots that are visible.
3. Put on your spike shoes.
   ℹ️Hint: The **Spike Shoes** supplied are for walking on the wet epoxy to broadcast the flecks.
4. Get a plastic bucket or container that will hold enough flecks that you are comfortable carrying.
5. While the **EPOXY IS STILL WET** hand toss out the flecks evenly so that the flecks adhere to the wet coating. Cover the entire floor using the flecks provided. We provide 10 lbs of fleck per 100 SF. Ie. If you purchased a 300 SF Kit you would receive 30 lbs of fleck.
   ℹ️Hint: Throwing the flecks into the air and letting them fall to the ground will allow for a more even disbursement of flecks as opposed to shaking your hand close to the floor trying to spread them evenly.

6. Repeat as needed until the floor is covered entirely with the decorative flecks.
7. Wait a minimum of **16 hours OR overnight** for the floor to dry before beginning fleck scraping.
8. After the floor has dried you can begin to clean up the excess flecks that did not adhere. Sweep any flecks that did not adhere as a first cleaning step. Next using a commercial grade floor scraper remove any additional fleck that did not adhere.

   Important—Using a flat blade floor scraper or sharp shovel sold at home centers is important because the flecks overlap when applied. Corners and edges can become especially sharp and pointy if not scraped well, and the floor will be hard to keep clean, and not comfortable to walk on without shoes if it is too rough from the overlapped flecks.
9. Push the floor scraper (or flat shovel) across the floor. Be sure to scrape the entire floor and sweep once again.
10. Once scraped and sweeped, be sure to vacuum (as a last cleaning step) the entire floor well and discard or fleck trash.

9. CLEAR COAT APPLICATION

Full Broadcast Fleck systems require 2 coats of clear Topcoat. The topcoat should be applied with a roller only. Do not squeegee out the topcoat. **DO NOT ADD NON SKID ADDITIVE IN FIRST COAT OF TOPCOAT.**

1. ArmorUltra 2-Part Military Grade Topcoat has a **2:1 mix ratio**. Be sure to keep the mix ratio consistent if dividing units into smaller mixes.
2. Once A and B have been combined, stir thoroughly for 2 minutes with a metal mixer attached to a power drill on medium to high speed.
3. Apply the topcoat to the floor using the roller/s provided. DO NOT ATTEMPT TO SQUEEGEE TOPCOAT, IT MUST BE ROLLED ON. The topcoat should be applied at 200 sq ft. per gallon on the initial topcoat
4. Be sure to evenly roll out the topcoat coating and ensure no puddling or pooling of materials is visible. If this does happen ensure to roll out evenly until the materials are well disbursed.
5. Wait overnight for the floor to dry before applying the 2nd coat of topcoat.
6. Once the floor has dried you can begin topcoating with the 2nd coat of topcoat.
7. Pour in Armorgrip (non skid additive). 1 Pack of Armorgrip per 1 Gallon of Topcoat is recommended. However, more or less nonskid can be used at applicators discretion.

   ℹ️Hint: You can use as much or little non skid as you want. The more non-skid you use the more slip resistant the finished coating will be.
8. Once A and B have been combined, stir thoroughly for 2 minutes with a metal mixer attached to a power drill on medium to high speed.
9. Apply the topcoat to the floor using the roller/s provided. DO NOT ATTEMPT TO SQUEEGEE TOPCOAT, IT MUST BE ROLLED ON. The topcoat should be applied at 400 sq ft. per gallon on the second topcoat.
10. Once the floor has been topcoated again (2 total coats of topcoat) you are finished! The floor will be dry within 24 hours however full cure times can take several but most floors will be fully cured within 5 days. We recommend waiting as long as possible before moving vehicles back onto the floor. A minimum of 5 days is **recommended** before vehicles can be parked on the floor.

10. CLEAN UP

ArmorClad 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.

11. RETURN TO SERVICE

ArmorClad epoxy coating full fleck kit should cure for at least 24 hours, after the final topcoat has been applied, before opening the area to foot traffic. Wait 4-5 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.

12. MAINTENANCE

ArmorPoxy products are easy to maintain through periodic mopping with a non-bleach household detergent solution and rinsing with clear water. Clear topcoat 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 ArmorClad epoxy kit. The ArmorClad 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 ArmorClad 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 3-5 days. If a longer period goes by, then the area should be sanded lightly to create a rougher surface to which the ArmorClad 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.

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 ArmorClad Full Broadcast 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 Polyurea. 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.

REV 06/2025
V2

SOLD BY ARMORPOXY, INC, 888-755-7361
www.armorpoxy.com
SUPPORT@ARMORPOXY.COM