



## BATH, SINK & TILE REFINISHING KIT

### IMPORTANT READ ALL INSTRUCTIONS BEFORE STARTING

#### KIT CONTENTS:

- PART A & B two part epoxy fortified paint that bonds strongly to porcelain and will hold up to cold and hot water. The finish is a gloss white that looks just like tile. It can be used as a white or tinted to a pastel color.
- Mixing stick
- 1 pk TSP cleaning powder
- Steel wool
- Rubber gloves
- Preval Sprayer with extra canister
- Paint brush for cutting in

#### SUGGESTED ADDITIONAL SUPPLIES:

- Bucket
- Cardboard for practice strokes
- Xylene or Lacquer thinner for thinning (if needed) and cleanup
- Masking tape
- Metal scraper
- Paper towels
- Plastic drop cloth, plastic garbage bags, or newspaper for masking all areas and preventing over-spray
- Small plastic bags to cover hardware
- Sponge
- NIOSH type respirator for organic vapors (contact Armorpoxy to purchase or buy at your local hardware store, paint store, or home center)

**RECOMMENDED SURFACE TYPES:** *ArmorPoxy Bath, Sink & Tile Refinishing Kit* can be used on porcelain, cast iron, tile, fiberglass, laminate (such as Formica Brand), and acrylic surfaces. Do Not Use On: Metal surfaces, Flexible surfaces, In Swimming Pools, Hot Tubs or Jacuzzis.

#### PRODUCT COVERAGE:

Each kit includes enough epoxy for two coats on one standard-sized tub, shower surround, or stall-type shower. This equates to approximately 75 square feet of countertop or similar surface. You should be aware that covering darker colors may require a third coat. Be certain that you have sufficient product on hand to complete the job.

#### SAFETY RECOMMENDATIONS:

Adequate ventilation is essential when working with chemicals, such as those contained in this kit. In addition, we strongly advise use of the following equipment: Suitable eye protection, vapor mask or respirator

A properly planned and prepared work environment is essential to achieving the best possible results. The following precautions contribute to a safe and successful refinishing project:

Work in a well-lit and well-ventilated area.

Make sure that you have all supplies and tools on hand and within easy reach.

Place these **ArmorPoxy** instructions where you can easily see and read them during each step of your project.

Only apply the *ArmorPoxy Bath, Sink, & Tile Refinishing Kit* under the proper conditions to ensure proper adhesion and drying.

- Always paint at a minimum room temperature of 65°F (18°C).

• Never paint during periods of high humidity. Do not smoke or apply solvents near an open flame, sparks, or gas heaters.

**PRODUCT PREPARATION:** Part A should be mixed before combining with Part B. Part A & Part B must be mixed together before use. Mix by stirring, not shaking. The mixing ratio is 1 part A to 1 part B. (1:1) The mixing ratio is critical. Too much part A will result in a film that is too brittle, and too much part B will result in a film that is too soft and will mar more easily. No reduction is needed. If reduction is needed for spraying, however, small amounts of xylene or lacquer thinner can be added, not to exceed 1/2 ounce per gallon. No waiting period or "sweat-in" period is required before using. The pot life of the mixture is a maximum of 8 hours. It is recommended that you thoroughly rinse and clean your application equipment immediately after use. If tinting is desired use universal tints to achieve pastel colors. Do not exceed 1/2 oz tint per mixed quart. You can tint part A or tint the mixture of Part A and Part B. Note: Mix only what you will use that day. Keep the containers tightly closed when not in use. Store at room temperature.

**SURFACE PREPARATION:** Careful surface preparation and cleaning is the key to a good result. Your new finish needs a solid and very clean surface to adhere to. Therefore, it is essential that the surface you are coating is free of loose material and dirt before you begin. If the surface you are going to paint has missing chips, gouges, or is rusted, be sure to take these additional steps.

*For chips or cracks:* Repair surface chips or gouges with an epoxy filler.

*ArmorPoxy* carries an epoxy filler for small chips and cracks. Contact us at 1-888-525-2586 or [info@armorpoxy.com](mailto:info@armorpoxy.com) for assistance. You may also use an automotive epoxy filler (the kind used for auto body repairs) which may be obtained at any automotive supply store. (Note that this is not the same kind of epoxy included in this kit).

*For rust:* 1. Sand any rusted areas thoroughly, and treat with a rust neutralizer/converter (also available at automotive supply stores).

Fill in these areas with epoxy filler (see above), then sand smooth.

#### Prepping:

1. Use a scraper to remove any flaking or loose caulk or grout.

It is better to remove as much old caulk as possible, then after you apply the epoxy, re-caulk. While you should never attempt to paint over caulk, you will get excellent results painting over tile or grout as long as there are no gaps in the grout.

If gaps do exist, or if there is missing grout, the epoxy coating will drain into the spaces. You should repair any gaps with an inexpensive white grout available at any hardware store or home center.

2. Remove any hardware that is designed for easy removal (such as drains or faucets or knobs).

Use masking tape to protect any remaining hardware. Be careful not to mask any portions of the surface that you plan to paint.

*Hint:* Dripping water can easily ruin the most careful paint job. Place small plastic bags over spouts or faucets and secure them in place with masking tape to guard against damage from possible leaks or dripping.

## **CLEANING**

It is essential to clean the surface three times to get it really ready for resurfacing. Skipping this important step is likely to result in an unsatisfactory finish! Follow these steps to ensure a safe and thorough cleaning:

1. Put on the protective gloves and your protective eyewear.
2. Fill a bucket with 1 gallon of warm, clean water; mix in the contents of the cleaning powder packet, and make sure the powder dissolves completely in the water.
3. Use a clean sponge to wash the entire surface with this solution.
4. Rinse with clean, warm water, then dry with paper towels.
5. Dampen the steel wool cleaning pad with the same solution and thoroughly scour the entire surface.
6. Rinse again and dry thoroughly with paper towels.
7. Repeat Steps 3 through 6 two more times for a total of three cleanings (to assure a clean surface).
8. After cleaning 3x, solvent wiping of the surface is recommended. Wipe down the surface with xylene or lacquer thinner. Do not use mineral spirits, turpentine or solvents that will leave oily residues. Be careful to avoid touching the surface for any reason. Oil from your skin can affect the quality of the finish. Should you accidentally touch the surface, be sure to clean the affected area with xylene or lacquer thinner then dry with a lint free cloth.

**MASKING:** To avoid troublesome cleanups afterward, make sure to cover and protect all nearby areas, including hardware, countertops, floors, tile, and so on. Carefully mask surrounding areas to protect from over-spray, drips or splatter. Use drop cloths and/or newspaper to protect floors. If you're painting only the tub and not the surrounding tile, you may want to use plastic affixed with masking tape to protect any area you wish to remain unpainted.

## **MIXING:**

1. Add Can A to Can B (please note that Can B is short-filled to allow room for the contents of Can A). Ensure the material is mixed thoroughly by stirring for 45 seconds. Unmixed material will not cure.
- 2.

**APPLICATION:** After mixing, use the supplied brush or sprayer to apply a light first coat. If brushing, feather in one direction to spread the paint. You may want to use the brush to cut in or for corners but spraying is the recommended application. Do not use a roller.

**RECOMMENDED:** Apply by spray using included Preval® Sprayer application for the smoothest "tile-like" appearance. Spraying can also be by conventional air sprayer, HVLP, or airless sprayer. See the spray gun manufacturer's recommendations for tips and pressure settings. To prep for spraying, mix epoxy with xylene or lacquer thinner to achieve desired consistency.

Two thin coats work better than one thick coat, and this will avoid the runs or puddles that can ruin a good paint job. Cover the entire surface with the first coat. It is also fine to paint over the grout as long as it is free of gaps or missing grout. **ArmorPoxy Refinishing Epoxy** is self-leveling: Don't worry if the surface looks uneven. Apply at temperatures between 50 deg. F and 100 deg. F (both the surface and surrounding air). When spraying we recommend multiple, light "mist-coats" rather than heavy coats that might sag. Under standard conditions (77 deg. F and

50% relative humidity) the **ArmorPoxy Refinishing Epoxy** will dry to touch in several hours. Thicker coats will take longer to dry.

**Spray Gun Usage:** When applying with spray gun equipment, vapors can build up rapidly and may cause flash fire. With all applications: vapors may travel to areas away from the work site and ignite; use only where moving air will carry vapors outside. Ground all equipment. Do not use where static electricity can build up and cause sparks.

**IMPORTANT – YOU DON'T HAVE TO WAIT FOR THE FIRST COAT TO HARDEN COMPLETELY BEFORE APPLYING THE SECOND COAT. SEE BELOW:**

If you apply the second coat within 4-6 hours of the first coat, no sanding of the first coat is needed. If you have waited until the first coat has hardened or you are repairing or touching up a damaged area, lightly scuff-sand the first coat with 400 grit sandpaper or fine steel wool to "dull" the surface. Remove all sanding dust before proceeding. If the second coat remains tacky, improve ventilation to promote drying. 2 coats of **ArmorPoxy Refinishing Epoxy** will generally harden in 24 to 36 hours. After applying the second coat, water should be kept away from the finish for a period of three to four days.

**Note:** This finish is hard and should only be applied over hard, firm surfaces. Do not apply over flexible seams or caulk.

**CLEAN-UP:** Clean equipment with xylene or lacquer thinner immediately after use. Do not allow the mixed finish to remain in the spray gun or application equipment.

The day after you complete your second coat, remove any masking tape since it will be easier to remove when the epoxy is still curing, rather than when it is fully cured.

## **DRYING TIME:**

Let the surface cure for at least 4-5 days after application of the final coat at a temperature of 65°F (18°C) or higher before using the surface. Temperatures lower than 65°F (18°C), a heavy application of the epoxy, or high humidity may all affect drying time. If a third coat is necessary (to cover a dark color), allow five days to cure before applying, use new epoxy mix (from an **ArmorPoxy Refinishing Epoxy Kit**), and follow directions for applying an additional coat. If applying a third coat, surface prep with prep solution is not necessary, just make sure that the surface is clean, dry, and lint/dust free.

Many home centers sell inexpensive replacement hardware knobs and drain covers to give your tub a shiny 'brand new look'. When removing masking tape if you are having difficulty, you can cut along the edges of the tape with a razor-type knife or shop knife to avoid having the masking tape pull the epoxy off the surface.

**CARE:** Always Clean only with "Soft-Scrub" cleaners or mild, non-abrasive detergents to prevent scratching.

## **CAUTIONS: (ALSO carefully read cautions on individual containers)**

USE WITH ADEQUATE VENTILATION. Avoid breathing vapors. Open windows and doors or use other means of ventilation to ensure adequate fresh air is circulating through the workspace during application and drying. Use a NIOSH approved respirator designed for organic vapors.

**FIRST AID:** If at any time you experience difficulty in breathing, leave the area immediately to obtain fresh air. In the event of eye contact, flush eyes immediately with water for a minimum of 15 minutes. If skin contact occurs, wash with soap and water. If swallowed, get immediate medical attention.

**WARNING:** This kit contains the following chemicals that may be harmful if misused: Xylene (cas#1330-20-7), Methyl Ethyl Ketone (cas#78-93-3), Methyl Isobutyl Ketone (cas#108-10-1), Diethylene Glycol Monobutyl Ether (cas#111-76-2).

**KEEP OUT OF REACH OF CHILDREN. FLAMMABLE LIQUID. KEEP AWAY FROM FIRE OR OPEN FLAME. Not Flame or High Temperature Resistant FOR CHEMICAL EMERGENCY, spill leak fire exposure or accident call CHEMTREC day or night. Domestic North America 800-424-9300. International, Call 703-527-3887 (collect calls accepted).**