

# Homax®

# TOUGH AS TILE®

## Tub, Sink & Tile Refinish

### INSTRUCTIONS



## BEFORE YOU BEGIN

Read entire directions, warnings and precautions before starting project. The key to a successful project outcome is **preparing the surface thoroughly**. Your refinishing project will require your attention for 2-3 consecutive days.

## GENERAL SUPPLIES NEEDED

Have the following on hand before you begin your project:

- Nitrile rubber gloves
- #000 grade steel wool or 320 grit wet / dry sandpaper
- Surface preparation cleaner (such as TSP/TSP alternative)
- NIOSH-approved N95 dust mask (for scouring)
- Clean lint free cloths
- Sponge
- Abrasive sponge
- Painter's masking tape
- Plastic drop cloth
- Lacquer thinner for clean-up
- Bucket
- Abrasive cleaner
- Isopropyl alcohol
- Hard water remover
- Bleach
- Caulk remover tool
- Humidity and temperature monitor
- (3) 6" x 6" or larger, smooth glazed ceramic tiles
- (2) Stir sticks (brush / roll-on application only)
- ¼" Nap **SHED FREE** 4" paint roller with (3) roller covers **OR**
- (2) 2" - 3" Polyester paint brushes (brush / roll-on application only)
- Respirator (NIOSH approved - organic vapor)

## TIPS FOR SUCCESS

- Careful surface preparation and cleaning is key to a successful outcome.
- **Maintain room temperature 70-80°F and humidity below 80% during application and cure time.**
- Read directions, warnings, and precautions before starting project.
- Please allow 2-3 consecutive days to properly complete project.
- Use only #000 grade steel wool or 320 grit wet / dry sandpaper for surface preparation.
- Do not lean against freshly painted surfaces.
- Only finish original surface to ensure a successful finish. **Do not** refinish exposed metal sinks or tubs as finish will not adhere properly over time.
- Do any necessary repairs prior to using HOMAX® TOUGH AS TILE®.
- Dark colored sinks or tubs will require more than 2 coats. Additional kits / cans of finish may be needed.
- During surface preparation be sure to wear gloves to avoid skin oils transferring to surface.
- Use of bath mats or suction cups will harm surface of *Homax Tough As Tile*.
- Have an additional small (1") brush available to remove drips and runs if needed.
- Set a timer or alarm to alert when it is time to apply additional coats, see application directions for advised times.
- After applying, observe surface for several minutes to look for sags which may take a few minutes to develop.

## USE ON

- Ceramic, porcelain, fiberglass, and acrylic composites. Some surfaces may require specific prep requirements. Reference Surface matrix for best results. If questions remain, please contact *Homax*, 1-800-729-9029.
- Do not use on surfaces that will be exposed to flame or very high temperatures, kitchen sinks, toilet bowl interiors or places continually immersed in water. Also not for hot tubs or stainless steel applications. Do not apply to stone, concrete, or other aggregate surfaces.

by **PPG**

Surface Material	Preparation Specific to Use
Fiberglass, Acrylic, Laminate, Cultured Stone	Prepare as directed.
China, Porcelain, Enamel-Coated Steel	Prepare as directed. Use muriatic acid if additional prep is needed due to poor surface conditions.

Do not mix cleaner agents together or toxic fumes may form. Follow all manufacturer's directions and cautions for use.

## STEP 1 CLEAN & PREP SURFACE

Careful preparation is the key to a flawless finish. Take your time and follow steps carefully to prepare the surface for the best finish adhesion. Wear gloves to avoid skin oils transferring to surface.

1. Repair existing cracks or chips before beginning the surface preparation. Use *Homax* Porcelain Chip Fix for most cases. Please consult product specifications before using.
2. Remove all existing caulk and scrub the areas with isopropyl alcohol or non oily solvent.
3. Eliminate any mildew from the surface by treating the surface with a solution of bleach and water or a mildew remover. Repeat if necessary.
4. Rinse the area thoroughly with water.
5. Scrub the surface with an abrasive pad and abrasive cleaner to remove all dirt, grease, oil, soap film and hard water deposits.
6. Rinse the area thoroughly with water. For heavy duty cleaning to remove rust, hardwater, and mineral residues, use a hard-water remover per the manufacturer's instructions.
7. Scour the entire surface area with #000 grade steel wool or 320 grit wet / dry sandpaper using a small circular motion. This will allow for abrasion to occur resulting in proper adhesion. If steel wool has deposited a dark surface on the tub, it is an indicator that a residue remains. If steel wool will not remove this residue use 320 grit wet / dry sandpaper to scour this area.
8. Fill clean bucket with (1) gallon warm water and add surface preparation cleaner or TSP solution, following manufacturer recommendations. Stir to dissolve. Using a sponge, clean entire surface area. Rinse the area thoroughly with water.
9. Repeat steps 7 & 8, (1) one more time for a total of (2) two cleanings.
10. Dry completely with a clean lint free cloth then wipe entire surface with isopropyl alcohol using clean cloth and allow to dry.

Be sure that the surface is free of all steel wool fibers or sandpaper residue.

## STEP 2 MASK OFF AREA

Using plastic drop cloth, carefully mask off the area surrounding the surface to be painted, to protect from overspray. Be sure to mask or remove drains and fixtures prior to applying the product.



Carefully mask and drape the areas surrounding the surface, including drains and plumbing fixtures, with a plastic drop cloth to protect from drips or splatter.

Tap a rubber glove over faucet and shower head to catch drips.

## STEP 3 APPLICATION

*It is VERY IMPORTANT that all coats are applied thin and even for both brush / roll-on or spray-on!*

## BRUSH / ROLL-ON FIRST COAT

*Apply coat 1 followed by coat 2 after 3 hours but not after 6 hours*



Brush: Apply in THIN, EVEN coats starting at top of surface and working down.

READ ALL INSTRUCTIONS BEFORE STARTING. GENTLY stir finish (Do not shake as this will create unsightly bubbles in finish). **Practice application technique** by first applying to some ceramic tiles stood vertically - concentrating on avoiding sags. Once technique is perfected, proceed applying to project.

Brush-on or Roll-on a thin first coat. When rolling, use a shed free 4" roller with ¼" nap cover (do not use a foam roller!). IT IS VERY IMPORTANT THAT COATS BE APPLIED THIN TO AVOID SAGS. **Do not attempt to get full hide with first coat - thin coats produce better results than thick coats.** Full hide is achieved on light surfaces in 2-3 thin coats and on dark surfaces in 3 thin coats.

Always maintain a wet edge when painting. Finish dries very quickly and will get sticky as soon as one (1) minute after applying - **do not attempt to paint over previously painted areas after 2 minutes of application.** Have a brush ready during rolling for use in complex corners and to remove drips. See instruction on removing drips. Between coats, secure can lid tightly. The unused product must be kept at room temperature while first coat is curing. MAINTAIN ROOM TEMPERATURE OF 70°-80°F AND HUMIDITY BELOW 80% DURING APPLICATION AND CURE TIME.

**LET FIRST COAT DRY 3 HOURS THEN APPLY SECOND COAT - DO NOT WAIT LONGER THAN 6 HOURS AFTER APPLYING FIRST COAT.** Protect surface from dust and dirt which may adhere to wet surface.

## APPLY SECOND COAT

AFTER FIRST COAT HAS DRIED 3 HOURS, BUT NOT MORE THAN 6 HOURS, gently stir *Tough as Tile* and apply a thin second coat using a **NEW** brush or ¼" nap roller cover. **Do not** reuse a cleaned brush/roller as particles will appear on surface. Maintain a wet edge as you brush / roll. Multiple thin coats result in a better finish than fewer heavy coats. If sags or runs occur, use a lighter application. Brush out runs and sags within 2 minutes.

**WHEN APPLYING A THIRD COAT** - wait until second coat has dried 3 hours but not more than 6 hours and use a new brush or roller cover. Follow the same procedure as second coat.

## NOTE!

**PRACTICE APPLYING** on vertical tiles before you attempt to coat tub or sink.

**DO NOT** apply a second, or additional coat, later than 6 hours after the first coat is applied (See Troubleshooting).

**USE THIN COATS** when using *Tough As Tile* to avoid sags.

**DO NOT** use suction cups or bath mats on coated surfaces.

**DO NOT APPLY** in direct sunlight or temperatures over 80°F.

## SPRAY-ON FIRST COAT

*Apply coat 1 followed by coat 2 after 10 minutes, but, before 6 hours*



Spray: Apply 8"-10" away in very THIN coat using constant motion.

READ ALL INSTRUCTIONS BEFORE STARTING. Shake can for 1 minute. **Practice application** by first spraying 2 coats onto ceramic tiles stood vertically. Perfect spray technique by working to achieve a high-gloss and non-sagging final finish.

Apply in very thin even coats holding can 8"-10" away from surface. **Do not attempt to get complete hide on first coat.**

Start from top of surface and move down as you spray. First coat may not be high gloss. Second coat should achieve full coverage and high gloss. For dark surfaces, 3 coats may be necessary.

A low-gloss or "orange peel" finish on the second coat is due to too light of a second coat application (you want application to be heavy enough to flow into glossy surface). Sags will result from applying to heavy. **Perfect technique on practice tiles before finishing tub or sink.**

For proper spray, fully depress nozzle actuator. Wipe drips from nozzle periodically with paper towel. After applying each coat, turn can upside down and spray into scrap cardboard box for several seconds to clear nozzle and prevent clogs.

**Allow first coat to dry 10 minutes before applying second coat.** Brush out drips and sags immediately (finish will begin to dry within 1 minute). If drips / sags are not smoothed out within 2 minutes, then see directions under "Fixing Drips and Sags."

**FIXING DRIPS AND SAGS** - Sags are a result of over application of the finish. Drips and sags can be painted out within 2 minutes of applying. Be diligent to paint out drips and sags immediately. After 2 minutes, allow drip and sag to partially dry 15 minutes then use a clean brush dipped in rubbing alcohol to carefully smooth out the drip. Allow to dry 3 hours and carefully reapply finish over affected area if needed.

## APPLY SECOND COAT

SECOND COAT MUST BE APPLIED AFTER FIRST COAT HAS DRIED 10 MINUTES BUT NOT LONGER THAN 6 HOURS! Apply second coat using the same constant motion and light coverage spray technique as first coat. Take care to ensure drips or sagging does not occur. Observe finish closely during application, if second coat is too light, a non-glossy orange peel surface will appear. Apply a heavier coating to achieve a smooth glossy surface. If applying additional spray coats, allow 10 minutes to dry between coats and be sure not to apply any coats after 6 hours from previous applied coat.

## STEP 4 FINAL CURE & USE

**DO NOT REMOVE MASKING UNTIL FINISH IS FULLY CURED.** Surface needs to cure for a minimum of 48 hours at a temperature of 70-80°F, humidity below 80%. After fully cured (48 hrs+), carefully remove masking from surface. Clean up any unwanted finish with lacquer thinner (**do not use paint thinner**).

**Do not use tub or sink until the finish is fully cured and dried hard like a porcelain surface.**

**To care for your freshly refinished surface, use non-abrasive, non-bleach cleaning products and a soft sponge or cloth.**

## TROUBLESHOOTING

**DRIPPING / SPITTING NOZZLE WHILE SPRAYING** - Wipe spray tip clean. Re-shake can for 1 minute. Check for blockage by removing nozzle, wiping clean, and reattach. Make sure can is at room temperature 70°-80°F. Make sure that the nozzle is pointing away from yourself and others when reattaching.

**FIXING DRIPS AND SAGS** - Sags are a result of over application of the finish. Drips and sags can be painted out within 2 minutes of applying. Be diligent to paint out drips and sags immediately. After 2 minutes, allow drip or sag to partially dry 15 minutes then use a clean brush dipped in rubbing alcohol to carefully smooth out the drip. Allow to dry 3 hours and carefully reapply finish over affected area if needed.

**COVERING A DARK COLOR** - May require 3 coats. Follow directions in appropriate section.

**NO GLOSS FINISH** - For spray application, an "orange peel" or lack of gloss, is likely due to too light of a final coat. Apply heavy enough for full film on surface to flow together to form a gloss surface use care to avoid sags.

High humidity during cure time will also dull the surface, lower the humidity to below 80% at 70-80° F.

**OVERSPRAY** - Clean up with lacquer thinner. **Do not use paint thinner.**

**6 HOURS PAST WITHOUT APPLYING SECOND COAT** - Do not attempt to apply a second/additional coats if it has been more than 6 hours since the previous coat was applied - immediately call customer service for additional instructions, 1-800-729-9029.

For how-to-videos, FAQs, helpful hints, and other great products from *Homax*, visit [www.homaxproducts.com](http://www.homaxproducts.com).

## WARNINGS & PRECAUTIONS

### SURFACE PREPARATION CLEANER POWDER

**DANGER! MAY FORM EXPLOSIVE DUST-AIR MIXTURES. CAUSES EYE AND SKIN BURNS. HARMFUL IF INHALED. HARMFUL IF SWALLOWED. CAUSES RESPIRATORY TRACT IRRITATION.** Fine dusts may form explosive mixtures with air. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat. Keep away from heat, sparks and flame. Prevent dust accumulation. Do not breathe dust. Do not swallow. Do not get in eyes or on skin or clothing. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Provide fresh air ventilation during and after application and drying. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Use personal protective equipment as required. **FIRST AID:** If swallowed, rinse mouth with water (only if the person is conscious). Call physician immediately. Do not induce vomiting unless directed to do so by medical personnel. If in eyes, rinse with water for 15 minutes. Check for and remove any contact lenses. Call physician immediately. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. Get medical attention immediately. If inhaled, remove to fresh air. Call physician immediately. Contains: titanium dioxide (13463-67-7); proprietary alkyl resin (not available); 4-hydroxy-4-methylpentan-2-one (123-42-2); xylene (1330-20-7); (2-methoxyethyl)ethoxypropanol (34590-94-8); aluminum hydroxide (21645-51-2); ethylbenzene (100-41-4); methacrylate (80-62-6). **WARNING:** This product contains a chemical known to the State of California to cause cancer. Keep out of the reach of children. For workplace use, an MSDS is available from your retailer or by calling (412) 492-5555. EMERGENCY SPILL INFORMATION: (412) 434-4515 (U.S.).

### SPRAY-ON FINISH

**DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPORS MAY CAUSE FLASH FIRE. CONTENTS UNDER PRESSURE. HARMFUL IF INHALED. HARMFUL IF ABSORBED THROUGH SKIN. HARMFUL IF SWALLOWED. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.** The product may not be stable under certain conditions of storage or use: high temperature/pressure hazard. In a fire or if heated, a pressure increase will occur and the container may burst or explode. Keep away from heat, sparks and flame. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120°F. Do not breathe vapor or mist. Do not swallow. Do not get on skin or clothing. Avoid contact with eyes. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Provide fresh air ventilation during and after application and drying. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Use personal protective equipment as required. If properly used, an appropriate, certified respirator may offer additional protection. Use respirator in accordance with manufacturer's directions. DANGER - RAGS, STEEL WOOL OR WASTE SOAKED WITH *TOUGH AS TILE* MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. IMMEDIATELY AFTER EACH USE, PLACE RAGS, STEEL WOOL OR WASTE IN A SEALED WATER-FILLED METAL CONTAINER. **FIRST AID:** If swallowed, rinse mouth with water (only if the person

is conscious). Call physician immediately. Do not induce vomiting unless directed to do so by medical personnel. If in eyes, rinse with water for 15 minutes. Check for and remove any contact lenses. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. Get medical attention immediately. If inhaled, remove to fresh air. Call physician immediately. Contains: dimethyl ether (115-10-6); methyl acetate (79-20-9); n-butyl acetate (123-86-4); titanium dioxide (13463-67-7); proprietary alkyl resin (not available); 4-hydroxy-4-methylpentan-2-one (123-42-2); xylene (1330-20-7); ethylbenzene (100-41-4); methyl methacrylate (80-62-6). **WARNING:** This product contains a chemical known to the State of California to cause cancer. Keep out of the reach of children. For workplace use, an MSDS is available from your retailer or by calling (412) 492-5555. EMERGENCY SPILL INFORMATION: (412) 434-4515 (U.S.).

### BRUSH / ROLL-ON FINISH

**WARNING! FLAMMABLE LIQUID AND VAPOR. HARMFUL IF INHALED. HARMFUL IF ABSORBED THROUGH SKIN. HARMFUL IF SWALLOWED. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.** Inhalation of high concentrations of vapor may affect the central nervous system. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness. Keep away from heat, sparks and flame. Do not breathe vapor or mist. Do not swallow. Do not get on skin or clothing. Avoid contact with eyes. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Provide fresh air ventilation during and after application and drying. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Use personal protective equipment as required. If properly used, an appropriate, certified respirator may offer additional protection. Use respirator in accordance with manufacturer's directions. DANGER - RAGS, STEEL WOOL OR WASTE SOAKED WITH *TOUGH AS TILE* MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. IMMEDIATELY AFTER EACH USE, PLACE RAGS, STEEL WOOL OR WASTE IN A SEALED WATER-FILLED METAL CONTAINER. **FIRST AID:** If swallowed, rinse mouth with water (only if the person is conscious). Call physician immediately. Do not induce vomiting unless directed to do so by medical personnel. If in eyes, rinse with water for 15 minutes. Check for and remove any contact lenses. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. Get medical attention immediately. If inhaled, remove to fresh air. Call physician immediately. Contains: titanium dioxide (13463-67-7); proprietary alkyl resin (not available); n-butyl acetate (123-86-4); proprietary acrylic resin (not available); 4-hydroxy-4-methylpentan-2-one (123-42-2); xylene (1330-20-7); (2-methoxyethyl)ethoxypropanol (34590-94-8); aluminum hydroxide (21645-51-2); ethylbenzene (100-41-4); methacrylate (80-62-6). **WARNING:** This product contains a chemical known to the State of California to cause cancer. Keep out of the reach of children. For workplace use, an MSDS is available from your retailer or by calling (412) 492-5555. EMERGENCY SPILL INFORMATION: (412) 434-4515 (U.S.).

### KEEP OUT OF REACH OF CHILDREN.

**WARNING:** If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. Contact the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

### LIMITED WARRANTY

Homax Products, Inc. warrants your satisfaction with the application, appearance, and performance properties of this product when applied to a properly prepared surface in accordance with label directions. HOMAX PRODUCTS, INC. MAKES NO OTHER EXPRESS WARRANTIES. IF THE PRODUCT FAILS TO CONFORM TO THIS LIMITED WARRANTY, HOMAX PRODUCTS, INC. WILL, AT YOUR OPTION, FURNISH REPLACEMENT PRODUCT OR REFUND THE PURCHASE PRICE. THIS LIMITED WARRANTY EXCLUDES (1) LABOR OR COSTS OF LABOR FOR THE APPLICATION OR REMOVAL OF ANY PRODUCT AND (2) ALL OTHER DIRECT, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES. This Limited Warranty gives you specific legal rights; you may have other rights which vary by state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you. To make a claim under this Limited Warranty, supply dated proof of purchase to the store of purchase or PPG Architectural Finishes, Inc., One PPG Place, Pittsburgh, PA 15272.

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