

PORCELAIN, CERAMIC, MOSAIC & GLAZED TILE – CARE INSTRUCTIONS

These types of materials look beautiful and are very durable when protected and maintained properly. Although these types of surfaces vary in their porosity and abrasive finish, these surfaces can be very difficult to protect and maintain. In the past these challenges have been met with difficulty, exhaustion and great expense. **Miracle Sealants Company** offers the most advanced system for the protection, maintenance and restoration of these surface materials. **Miracle Sealants'** products and procedures, combined with three generations of industry knowledge, will aid you in maintaining the timeless beauty of porcelain, ceramic, mosaic and glazed tile surfaces.

↪ For the best bacteria resistance use **511 Impregnator**.

↪ For the best oil and stain repellency use **511 Porous Plus**.

↪ In any situation where no odor can be present, use **511 H2O Plus** for tile and grout protection.

NEW INSTALLATIONS

Follow the recommended installation methods and procedures of the Marble Institute of America, Building Stone Institute and Tile Council of America. Allow new installations of setting materials and grout to cure per manufacturer's specification prior to impregnating.

SAMPLE TESTING

Due to the differences of each surface, several inconspicuous test patches should be completed with each product to assure maximum performance. **USERS MUST DETERMINE THE SUITABILITY OF THE PRODUCT FOR THEIR INTENDED USE!**

SEALING AS A GROUT RELEASE

Although these types of surfaces vary in their porosity, they all can absorb stains from items including the dye in many grouts. To insure the best possible installation, the appropriate **511 Sealant** should be applied as a grout release before the grouting process. **511 Sealants** will resist dye absorption, facilitate grout residue removal (up to 45% faster), and offer superior stain resistance during the installation process.

DIRECTIONS

Always test a small area to insure desired results. Do not dilute or thin at any time. Shake well.

Protect neighboring and adjacent surfaces of wood, carpet, metal, landscaping and other surfaces.

1. Sweep or vacuum all dust, dirt and surface debris. Insure the surface is clean, dry and free from contaminants.
2. **511** may be applied to damp surfaces 1 – 2 hours after standing water has been removed.
3. Apply an even application of **511** using a clean white towel or **MiraBrush Applicator & Tray**.
4. Saturate the surface getting the surface "Wet to the Eye" being careful not to allow **511** into the open ungrouted joints.
5. Allow **511** to dwell for 3 – 5 minutes.
6. Wipe or buff off any excess **511** before it dries on the surface with terry cloth towels.
7. Reactivating the residue with **511** and immediately buffing with dry terry cloth towels may remove any excess **511** that has dried on the surface creating a residue/film.
8. If the residue has been on the surface for more than a few hours, use **Miracle Sealants' Residue Remover**. Apply directly to the surface and immediately buff or wipe dry with dry terry cloth towels.
9. For **511 H2O+**, use warm water and a soft scrub pad to remove excess.
10. Allow **511** to cure 6 – 12 hours before proceeding with the grouting process.
11. Grout the surface per manufacturer's specifications.
12. Clean all grout residue completely with a clean sponge and water.

With some difficult surfaces it may be necessary to use **PCTC (Porcelain & Ceramic Tile Cleaner)**, **Miracle Sealants' HD Cleaner, HDAC (Heavy Duty Acidic Cleaner)**, **Phosphoric Acid Cleaner**, **Epoxy Grout Film Remover** or **Finish Sealer Stripper** to completely remove all grout residue.

GROUT SEALING

Although grout can be treated with **511** within an hour of grout residue removal, it is suggested to allow grout to cure per manufacturer's specification so as not to void any manufacturer warranty on the grout. For existing grout it is not necessary to wait.

1. Apply **511** with a paintbrush or **MiraBrush Applicator & Tray** to grout joints.
2. Allow **511** to dwell 3 – 5 minutes.
3. Wipe or buff off any excess before it dries on the surface with terry cloth towels.
4. Any excess that has dried on the surface creating a residue/film, may be removed by reactivating the residue

with **511** and immediately buffing dry with dry terry cloth towels.

5. For **511 H2O Plus**, use warm water and a soft scrub pad to remove excess.
6. Finished area can be used for normal foot traffic in 3 – 5 hours.
7. Allow **511** to cure 72 hours before subjecting to water, oil and staining materials.
8. Refer to the Product Data Sheet, SDS (Safety Data Sheet) & Label for complete directions.

SEALING AND THE NATURAL LOOK

If you are trying to retain the natural look of the tile, we recommend stopping at this point and putting the area into service. This type of finish will require the least amount of maintenance and is recommended for high traffic and food areas for maximum stain and slip protection.

SEALING AND COLOR ENHANCEMENT

Always test a small area to insure desired results. Do not dilute or thin at any time. Shake well.

Protect neighboring and adjacent surfaces of wood, carpet, metal, landscaping and other surfaces.

For color enhancement we recommend **Miracle Sealants' 511 Seal & Enhance** natural stone impregnator and color enhancer. **511 Seal & Enhance** was designed to enhance the natural color of most porcelain, ceramic, mosaic & glazed tile (results will vary, so be sure to conduct a few, small test areas prior to doing the entire job). In addition to beautifying the tile, **511 Seal & Enhance** offers stain resistance to water, oil and stains all in one product.

1. Sweep or vacuum all dust, dirt and surface debris. Insure the surface is clean, dry and free from contaminants.
2. Apply using a clean white towel or **MiraBrush Applicator & Tray**.
3. Apply enough to the surface so it is "Wet to the Eye"
4. Do not allow **511 Seal & Enhance** to puddle or air dry on the surface.
5. Work in small areas.
6. At least two applications are necessary to achieve desired enhancement, water, oil and stain resistance.
7. Apply second application after the initial application has dried at least one hour.
8. Remove excess before it dries with terry cloth towels.
9. Excess may be removed by reactivating residue with **511 Seal & Enhance** and immediately buffing dry with dry terry cloth towels.
10. Finished area can be used for normal foot traffic in 3 – 5 hours.
11. Keep free from water, oil and stains for 72 hours.
12. Refer to the Product Data Sheet, SDS & Label for complete directions.

RESTORATION

FLOOR COATING / WAX REMOVAL

Always test a small area to insure desired results.

Protect neighboring and adjacent surfaces of wood, carpet, metal, landscaping and other surfaces.

To remove existing water base coatings, epoxy grouts and waxes use **Miracle Sealants' Finish Sealer Stripper** fast acting stripper. To remove existing solvent base coatings, waxes and mastics use Epoxy Grout Film Remover, **Miracle Sealants' HD Cleaner** or a fast acting solvent stripper.

1. Sweep or vacuum all dust, dirt and surface debris. Insure the surface is clean, dry and free from contaminants.
2. Apply stripper to the surface undiluted.
3. Allow solution to dwell for 5 – 20 minutes, agitating periodically with a medium aggressive hand brush for small areas and floor brush and a 175 rpm, 150 lbs. floor machine for large areas.
4. Remove all dirty remains with towels or a wet vacuum.
5. Thoroughly rinse surface with clean water.
6. Allow the surface to dry.
7. Multiple applications may be required.
8. **Finish Sealer Stripper** is alkaline and may affect the surface finish of some tile.
9. Finished area can be used for normal foot traffic in 1 – 5 hours.
10. Refer to the Product Data Sheet, SDS & Label for complete instructions.

HEAVY DUTY CLEANING

Always test a small area to insure desired results.

Protect neighboring and adjacent surfaces of wood, carpet, metal, landscaping and other surfaces.

To remove hard water deposits, grout residue, efflorescence, rust and other heavy dirt and grime use **Phosphoric Acid Cleaner, Heavy Duty Acidic Cleaner** or **Porcelain & Ceramic Tile Cleaner**.

For hard water deposits and soap scum that may begin to develop in shower and bath surfaces use **Miracle Sealants' Porcelain & Ceramic Tile Cleaner**. Easy to use, and very effective **Porcelain & Ceramic Tile Cleaner** contains mild abrasives in a mild ammonia cleaner.

1. Sweep or vacuum all dust, dirt and surface debris. Insure the surface is clean, dry and free from contaminants.
2. Simply flip the top of **Porcelain & Ceramic Tile Cleaner** and squeeze some onto a soft, white scrub pad.
3. Scrub in circular motions.
4. Rinse with water and damp wipe the dirt away.
5. For large area, **Porcelain & Ceramic Tile Cleaner** can be applied directly to the honed surface and buffed using a **Marble Master MM 1000** floor machine and stiff brush.
6. Finished area can be used for normal foot traffic in 1 – 5 hours.
7. Refer to the Product Data Sheet, SDS & Label for complete instructions.

For the most aggressive cleaning challenges use **Miracle Sealants' Heavy Duty Acidic Cleaner**, a strong hydrochloric acid cleaner.

1. Sweep or vacuum all dust, dirt and surface debris. Insure the surface is clean, dry and free from contaminants.
2. Mix one part **Heavy Duty Acidic Cleaner** with ten parts water (1:10). Do not use stronger than (1:3).
3. Wet surface to be cleaned with clean water.
4. Apply **Heavy Duty Acidic Cleaner** solution using a brush, towel or mop.
5. Allow solution to dwell 1 – 5 minutes while keeping the surface damp.
6. Agitate the surface with a brush.
7. Do not allow solution to dry on the surface.
8. Remove excess with towels or wet vacuum.
9. Rinse with one part **Tile & Stone Cleaner** with ten parts clean water (1:10) to insure complete neutralization.
10. Finished area can be used for normal foot traffic in 1 – 5 hours.
11. Refer to the Product Data Sheet, SDS & Label for complete instructions. For the little less

aggressive cleaning challenge use **Miracle Sealants' Phosphoric Acid Cleaner**.

1. Sweep or vacuum all dust, dirt and surface debris. Insure the surface is clean, dry and free from contaminants.
2. Mix one part **Phosphoric Acid Cleaner** with ten parts water (1:10). Do not use stronger than (1:3).
3. Wet surface to be cleaned with clean water.
4. Apply solution using a brush, towel or mop.
5. Allow solution to dwell 1 – 5 minutes while keeping the surface damp.
6. Agitate the surface with a brush.
7. Do not allow solution to dry on the surface.
8. Remove excess with towels or wet vacuum.
9. Rinse with one part **Tile & Stone Cleaner** with ten parts clean water (1:10) to insure complete neutralization.
10. Finished area can be used for normal foot traffic in 1 – 5 hours.
11. Refer to the Product Data Sheet, SDS & Label for complete instructions.

STAIN REMOVAL

For stain removal troubleshooting use **Poultice Plus** and refer to the **Miracle Sealants' Stain Removal Guide** for further information.

Always test a small area to insure desired results.

Protect neighboring and adjacent surfaces of wood, carpet, metal, landscaping and other surfaces.

1. Sweep or vacuum all dust, dirt and surface debris. Insure the surface is clean, dry and free from

contaminants.

2. Mix **Poultice Plus** with the appropriate **MSC Cleaner** (refer to stain removal guide) into a peanut butter like paste.
3. Apply **Poultice Plus** paste to stain about 1/4" thick and overlap the stained area by 1/4".
4. Cover the **Poultice Plus** paste with plastic wrap.
5. Tape the plastic wrap to the surface using non-marking tape to create an "air tight" seal.
6. Allow to dry 24 – 48 hours or until completely dry to hard clay like paste.
7. Remove plastic wrap from stain.
8. Remove the residual powder/paste away using a wood spoon or spatula.
9. Rinse the area using distilled water.
10. Multiple applications may be necessary to remove stain entirely.
11. Finished area can be used for normal foot traffic in 1 – 5 hours.
12. Refer to the Product Data Sheet, SDS & Label for complete instructions.

RESURFACING

Always test a small area to insure desired results.

Protect neighboring and adjacent surfaces of wood, carpet, metal, landscaping and other surfaces.

Save money in expensive tear out and installation of old porcelain, mosaic and glazed tile by restoring the luster and clean the grout. To restore the luster and deep clean, scrub/buff with a 175 rpm, 150 lbs. floor machine using **Tile Restor** or **Tile Brite**. **Tile Restor** prepares the surface for **Tile Brite** polishing compound. **Tile Brite** is a specialized polishing product that will remove light scratches and enhance the gloss of the surface leaving a beautiful satin finish that will last 3 – 5 years. Neither product requires special skills or equipment, however, results may be enhanced using a 175 rpm, 150 lbs. floor machine with the appropriate pad or brush.

1. Sweep or vacuum all dust, dirt and surface debris. Insure the surface is clean, dry and free from contaminants.
2. Wet the tile surface with clean water.
3. Sprinkle **Tile Restor** or **Tile Brite** onto the surface.
4. Buff using a **Miracle Sealants' Marble Master MM 1000** (150 lbs/175 rpm) floor machine equipped with a red buffing pad.
5. Buff in a consistent side-to-side movement.
6. Create a slurry solution on the surface and keep moist.
7. Do not allow slurry to dry on the surface.
8. Squeegee slurry to next section as results are achieved.
9. Work small areas until desire results are achieved.
10. Remove slurry using a wet vacuum.
11. Rinse with one part **Tile & Stone Cleaner** with ten parts clean water (1:10) to insure complete neutralization.
12. Finished area can be used for normal foot traffic in 1 – 5 hours.
13. Refer to the Product Data Sheet, SDS & Label for complete instructions.

MAINTENANCE

Although this type of surface will not shows wear as readily as other surfaces, it is wise to keep it as clean as possible.

LIGHT CLEANING FOR THE NATURAL LOOK

For cleaning in kitchen and food prep areas use **Miracle Sealants' Tile & Stone Cleaner**.

1. Sweep or vacuum all dust, dirt and surface debris. Insure the surface is clean, dry and free from contaminants.
2. Mix one part **Tile & Stone Cleaner** with ten parts warm water (1:10). For more difficult cleaning issues, use a mixture of one part **Tile & Stone Cleaner** with three parts warm water (1:3).
3. Apply **Tile & Stone Cleaner** solution using a mop or sponge.
4. Allow solution to dwell 10 – 20 minutes.
5. Agitate periodically with a medium aggressive brush.
6. Extract all dirty remains with towels or a wet vacuum.
7. Rinse the surface with clean water to eliminate any streaks or residue.

8. Change the water when it becomes dirty or cloudy.
9. Finished area can be used for normal foot traffic in 1 – 5 hours.
10. Refer to the Product Data Sheet, SDS & Label for complete directions.

For hard water deposits and soap scum that may begin to develop in shower and bath surfaces as well as other dirt and grime use **Miracle Sealants' Porcelain & Ceramic Tile Cleaner**. Easy to use, and very effective **Porcelain & Ceramic Tile Cleaner** contains mild abrasives in a mild ammonia cleaner.

1. Sweep or vacuum all dust, dirt and surface debris. Insure the surface is clean, dry and free from contaminants.
2. Simply flip the top and squeeze some onto a soft, white scrub pad.
3. Scrub in circular motions.
4. Rinse with water and damp wipe the dirt away.
5. For large area, **Porcelain & Ceramic Tile Cleaner** can be applied directly to the honed surface and buffed using a 175 rpm, 150 lbs. floor machine.
6. Finished area can be used for normal foot traffic in 1 – 5 hours.
7. Refer to the Product Data Sheet, SDS & Label for complete instructions.

LIGHT CLEANING FOR COLORENHANCEMENT

Daily cleaning of tiles impregnated with **511 Seal & Enhance** can consist of using **Tile & Stone Cleaner** as directed previously in this guide.

COUNTERCLEANING

Always test a small area to insure desired results.

Protect neighboring and adjacent surfaces of wood, carpet, metal, landscaping and other surfaces.

For counters, using **Miracle Sealants' Counter Kleen** as often as you want, will keep it clean without streaking. **Counter Kleen** is a non-toxic cleaner that is easily sprayed onto the surface and wipe off.

1. Sweep or vacuum all dust, dirt and surface debris. Insure the surface is clean, dry and free from contaminants.
2. Ready-to-use. Spray directly onto counter.
3. Wipe dry using a clean dry towel.
4. No rinsing necessary.
5. Finished area can be used immediately.
6. Refer to the Product Data Sheet, Material Safety Data Sheet & Label for complete instructions.

COUNTERCLEANING AND PROTECTION REJUVENATION

Always test a small area to insure desired results.

Protect neighboring and adjacent surfaces of wood, carpet, metal, landscaping and other surfaces.

For counters, using **Miracle Sealants' 511 Porcelain & Ceramic Tile clean & Reseal** or **511 Kleen & Reseal**, as needed will keep it clean without streaking while rejuvenating the protection from the appropriate **511 Sealant**. Both are easily sprayed onto the surface and wiped off with a clean towel or micro fiber cloth.

1. Spray directly onto soiled area.
2. Wipe up with a clean, dry towel or sponge. No rinsing necessary.
3. Repeat for heavily soiled areas allowing product to sit for several minutes. Agitating or scrubbing with a nylon pad before wiping.
4. Finished area can be used immediately.
5. Refer to the Product Data Sheet, SDS & Label for complete instructions.

SEALING MAINTENANCE

Resealing will vary depending on porosity, density, hardness, foot traffic and the elements (indoor or outdoor) the area is exposed to. As a general rule, medium to dense surfaces exposed to heavy foot traffic can be resealed every 1 – 3 years. Very hard surfaces exposed to heavy foot traffic can be resealed every 3 – 5 years. It is important to remember that any additional or future applications of **511 Sealants** will require less sealant than original application.