

POLISHED STONE CARE INSTRUCTIONS

These types of surface finishes look beautiful and can be very durable when protected and maintained properly. Polished stone is normally less porous, however, it is still susceptible to staining. In addition, providing slip resistance and maintaining the polish are priorities with polished stone finishes. 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 these surfaces.

POINT OF INTEREST

Foot traffic will wear away the factory finish through abrasion.

The floor will slowly develop the natural "patina" through normal use.

Acids in fruit juices, coffee, wine, vinegar and many household chemicals will etch, dull and change the surface.

• For best bacteria resistance, use **511 Impregnator**.

• For best oil repellency, use **511 Porous Plus**.

• For the best possible oil and water repellency while offering a darkening/color enhanced appearance, **511 Seal & Enhance** should be used.

• In any situation where no odor can be present, use **511 H2O+** for stone 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. Using a **511 Sealant** will resist dye absorption, facilitate grout residue removal (up to 45% faster), and offer superior stain resistance during the construction 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. Any excess **511** that has dried on the surface creating a residue/film, may be removed by reactivating the residue with **511 Impregnator** and immediately buffing dry with terry cloth towels.
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 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.
13. Refer to the Product Data Sheet, SDS (Safety Data Sheet) & Label for complete instructions.

With some difficult surfaces it may be necessary to use **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 terry cloth towels.
5. For **511 H2O+**, 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 & Label for complete instructions.

SEALING AND THE NATURAL LOOK

If you are trying to retain the natural look of the stone, 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 recommend for high traffic and food areas for maximum stain and slip protection.

SEALING AND COLOR ENHANCEMENT

For color enhancement we recommend **Miracle Sealants' 511 Seal & Enhance** impregnator and color enhancer. **511 Seal & Enhance** was designed to enhance the natural color of all polished marble, limestone, travertine surfaces. In addition to beautifying the stone, **511 Seal & Enhance** offers stain resistance to water, oil and stains all in one product. Do not dilute or thin at any time. Shake well.

COLOR & GLOSS ENHANCEMENT

Always test a small area to insure desired results. For color & gloss enhancement on polished marble, limestone, travertine or calcareous stone, we recommend **Marble Conditioner**, **MiraDust** and **Water Ring & Etch Remover**.

Marble Conditioner is an acid-base recrystallization treatment designed to easily remove light scratches and to maintain the polish of marble, limestone, travertine, terrazzo or calcareous surface.

1. Simply shake the bottle and pour into an industrial trigger spray bottle.
2. Squirt onto the surface and immediately buff with #2, #1, #0, #00 steel wool equipped 175 rpm, 150 lbs. floor machine until dry. Buff in a consistent side-to-side motion.
3. Work small areas until desired results are achieved.
4. Sweep up any loose steel wool shavings.
5. Refer to the Product Data Sheet, SDS & Label for complete instructions.

MiraDust & Water Ring & Etch Remover are acrylic acid polishing powders, designed to maintain the polish of marble, limestone, travertine, terrazzo or calcareous surface.

1. Wet the surface with clean water and sprinkle **MiraDust** or **Water Ring & Etch Remover** onto the surface.
2. Buff using a 175 rpm, 150 lbs. floor machine equipped with a tampico brush, white nylon pad or polishing pad creating a slurry solution on the surface.
3. Buff in side-to-side motion.
4. Do not allow to dry on the surface.
5. Squeegee the slurry to next section as results are achieved.
6. Work small areas.
7. Make sure to rinse areas after using **MiraDust** or **Water Ring & Etch Remover** with **Tile & Stone Cleaner** in the rinse water.
8. Refer to the Product Data Sheet, SDS & Label for complete instructions.

For polished granite floors, use **Granite Brite** and a light natural hair pad.

1. Wet the surface (just slightly) with clean water and sprinkle **Granite Brite** onto the surface.
2. Buff using a 175 rpm, 150 lbs. floor machine equipped with a felt pad or red nylon pad.
3. Buff in a side-to-side motion creating a slurry.
4. Buff until completely dry.

5. Work in small sections until desired results are achieved.
6. Work until completely removed from the surface.
7. Refer to the Product Data Sheet, SDS & Label for complete instructions.

Stone Polish can be used as needed for added gloss and ongoing care for furniture, walls and counters (**not for use on floors**).

1. Simply apply **Stone Polish** on to the surface using a clean cloth.
2. Apply in circular motion to insure complete coverage.
3. Allow to dry to a haze (10 – 15 minutes).
4. Buff off using a clean dry cloth, micro fiber cloth or #0, #00, #000 or #0000 steel wool.
5. Refer to the Product Data Sheet, SDS & Label for complete instructions.

RESTORATION

ETCH & WATER RING REMOVAL

Always test a small area to insure desired results.

1. To remove acid etch & water rings, spray the damaged area with clean, cool water.
2. Sprinkle a pinch of **Water Ring & Etch Remover** onto the damaged surface.
3. Buff in circular motions using a wet white nylon-buffing pad.
4. Continue for 50 strokes keeping the surface wet during the buffing action.
5. Wipe with a clean, dry towel.
6. Multiple applications may be necessary to achieve desired results.
7. Rinse the surface with 1:10 mixture of **Tile & Stone Cleaner** and water.
8. Apply **Stone Polish** after desired gloss has been produced (on areas that will not be walked on, i.e furniture, counters and walls).
9. Refer to the Product Data Sheet, SDS & Label for complete instructions.

HARD WATER DEPOSITS & SOAP SCUM – Heavy Duty Cleaning

Acid Sensitive Surfaces should be cleaned with **Miracle Sealants' Liquid Poultrice**, a non-acidic deep cleaner designed specifically for acid sensitive stone surfaces. Use of **Liquid Poultrice** will not affect the natural finish of the stone.

1. Sweep or vacuum all dust, dirt and surface debris. Insure the surface is clean, dry and free from contaminants.
2. Mix one part **Liquid Poultrice Part A** with one part **Liquid Poultrice Part B** with 2 equal parts warm water.
3. Wet the surface to be cleaned.
4. Apply **Liquid Poultrice** solution using a soft brush, towel or mop.
5. Allow solution to dwell a minimum of 40 minutes while keeping the surface damp.
6. Agitate the surface with a soft brush periodically (add cleaner as needed to keep damp).
7. Remove excess with towels or wet vacuum.
8. Rinse with clean water.
9. On walls a fine mist may be applied with a vented sprayer and allowed to dry up to 72 hours.

10. Finished area can be used for normal foot traffic within 1 – 5 hours.
11. Refer to the Product Data Sheet, SDS & Label for complete instructions.

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. **FOR ALL MARBLE, LIMESTONE, TRAVERTINE AND OTHER CALCAREOUS SURFACES TEST TO MAKE SURE PRODUCT DOESN'T ADVERSELY AFFECT THE POLISH.**

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 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.

Granite Non-Acid Sensitive:

With granite and other non-acid sensitive surfaces use **Porcelain & Ceramic Tile Cleaner** as directed or use **Phosphoric Acid Cleaner** or **Heavy Duty Acidic Cleaner**.

For the most aggressive cleaning challenges use **Miracle Sealants' Heavy Duty Acidic Cleaner**, a strong hydrochloric acid cleaner (not for use on polished calcareous surfaces).

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 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 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.

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 and waxes use **Miracle Sealants' Finish Sealer Stripper** fast acting stripper. To remove existing solvent base coatings, waxes and mastics use **Miracle Sealants' Epoxy Grout Film Remover** 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 **Mira Strip** to the surface undiluted. If using Finish Sealer Stripper, follow the dilution recommended on the label or PDS.
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 depending on wax build up.
8. **Finish Sealer Stripper** is alkaline and may affect the surface finish of some stone.
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 **Liquid Poulitice**. Typically, an acidic cleaner is needed to remove cementitious grout residues, but using an acidic cleaner on these types of materials will remove/etch the polish away. Acid sensitive surfaces should be cleaned with **Miracle Sealants' Liquid Poulitice**, a non-acidic deep cleaner designed specifically for acid sensitive stone surfaces. Use of **Liquid Poulitice** will not affect the natural finish of the stone.

1. Sweep or vacuum all dust, dirt and surface debris. Insure the surface is clean, dry and free from contaminants.
2. Mix one part **Liquid Poulitice Part A** with one part **Liquid Poulitice Part B** with 2 equal parts warm water.
3. Wet the surface to be cleaned.
4. Apply **Liquid Poulitice** solution using a soft brush, towel or mop.
5. Allow solution to dwell for a minimum of 40 minutes while keeping the surface damp.
6. Agitate the surface with a soft brush periodically (add cleaner as needed to keep damp).
7. Remove excess with towels or wet vacuum.
8. Rinse with clean water.
9. On walls a fine mist may be applied with a vented sprayer and allowed to dry up to 72 hours.
10. Finished area can be used for normal foot traffic within 1 – 5 hours.
11. Refer to the Product Data Sheet, SDS & Label for complete instructions.

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. Be sure to conduct your test areas as this is an abrasive cleaner that may remove the polish from some polished stone.

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 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.

For the most aggressive cleaning challenges use **Miracle Sealants' Heavy Duty Acidic Cleaner**, a strong hydrochloric acid cleaner. Remember acids can remove/etch polish from calcareous stones, so if this product is used re-polishing of the stone may be necessary.

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 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 a little less aggressive cleaning challenge use **Miracle Sealants' Phosphoric Acid Cleaner**. Follow the same cautions recommended when using this product as the **Heavy Duty Acidic 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 stain 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/REFINISHING

To restore the high gloss luster scrub/buff using **Miracle Sealants' Mira Hone** (non-acid powder) as directed. This product will remove light scratches and imperfections. Then polish using either **Marble Conditioner** or **Mira Dust** as directed previously.

1. Sweep or vacuum all dust, dirt and surface debris. Insure the surface is clean, dry and free from contaminants.
2. Wet the stone surface with clean water.
3. Sprinkle **Mira Hone** onto the surface.
4. Buff using a 175 rpm, 150 lbs. floor machine equipped with a natural fiber brush, appropriate nylon pad or polishing 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 the 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. Make sure to rinse areas using **Tile & Stone Cleaner** (1:10) in the rinse water.
12. Finished area can be used for normal foot traffic in 1 – 5 hours.
13. Re-treat surface with **511** as directed.
14. Refer to the Product Data Sheet, SDS & Label for complete instructions.

For heavy scratches, damage and imperfections, **Diamond Abrasives** should be used by a **stone care professional only!** Heavy restoration is the process of removing the accumulation of scratches and wear by sanding the stone with the appropriate **Diamond Abrasive** pads.

This is the same process utilized in many processing plants to achieve the factory finish.

SPECIAL NOTE

Foot traffic will wear the factory finish through abrasion. Acids in fruit juices, coffee, wine, vinegar and many household cleaners will etch the surface removing the factory finish of all limestone, marble, travertine and other calcareous stone even when treated with an Impregnator/Penetrating Sealer.

MAINTENANCE

It is wise to keep these surfaces as clean and dust free as possible. Daily sweeping and the use of a dust mop will help retain the natural finish.

LIGHT CLEANING FOR THE NATURAL LOOK

Daily cleaning should consist of using **Tile & Stone Cleaner** as previously directed.

LIGHT CLEANING FOR GLOSSENHANCEMENT

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

C O U N T E R C L E A N I N G

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 wiped 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, SDS & Label for complete instructions.

C O U N T E R C L E A N I N G A N D P R O T E C T I O N R E J U V E N A T I O N

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 Kleen & Reseal**, as needed will keep it clean without streaking while rejuvenating the protection from the appropriate **511 Sealant**. **511 Kleen & Reseal** is 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, material Safety Data Sheet & Label for complete instructions.

S E A L I N G M A I N T E N A N C E

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 originally applied.