

## BRICK, CONCRETE & MASONRY SURFACES CARE INSTRUCTIONS

Brick, concrete and masonry surfaces look beautiful and are very durable when protected and maintained properly. Brick and masonry surfaces are typically very porous and therefore susceptible to the absorption of water, salts, oils, grease, dirt, grime that can be very difficult to protect and maintain. In addition exposure to freeze/thaw cycles inflict additional stress to these surfaces. In the past these challenges have been met with difficulty, exhaustion and great expense.

Miracle Sealant Company offers the most advanced system for the protection maintenance and restoration of natural stone, tile, grout, brick and masonry surfaces. Miracle Sealants products and procedures, combined with three generations of industry knowledge, will aid you in maintaining the timeless beauty of brick and masonry surfaces.

### NEW INSTALLATIONS

#### 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.**

- For medium to dense surfaces, **511 Impregnator** should be sufficient. For the best bacteria resistance, use **511 Impregnator**.
- For the best possible oil & water repellency, **511 Porous Plus** should be used.
- In any situation where no odor can be present, use **511 H2O+**.
- For the best possible oil and water repellency while offering a darkening/color enhance appearance, **511 Seal & Enhance** can be used but **MUST BE TESTED** for consistency before using as it can blotch certain substrates.

#### SEALING A S GROUT/MORTAR RELEASE

These surfaces are porous and can absorb stains from many items including the dye in many grouts/mortars. To insure the best possible installation, the appropriate **511 Sealant** should be applied as a grout/mortar release before the grouting process. These sealers resist grout/mortar dye absorption, facilitate grout/mortar residue removal (up to 45% faster), resist salt ion intrusion, resist damage due to freeze/thaw cycles and offer superior stain resistance during and after construction.

### 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, pump sprayer 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/mortared 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. Apply a second application after the first has dried at least 2 – 5 hours.
8. Reactivating the residue with **511** and immediately buffing dry may remove any excess **511** that has dried on the surface creating a residue/film.
9. 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.
10. For **511 H2O+**, use warm water and a soft scrub pad to remove excess.
11. Allow **511** to cure 6 – 12 hours before proceeding with the grouting/mortaring process.
12. Grout/mortar the surface per manufacturer’s specifications.
13. Clean all grout/mortar residue completely with a clean sponge and water.
14. Refer to the Product Data Sheet, SDS (Safety Data Sheet) & Label for complete directions.

With some difficult surfaces it may be necessary to use **Miracle Sealants’ Heavy Duty Acidic Cleaner, Phosphoric Acid Cleaner or Miracle HD Cleaner** as directed later in this guide to completely remove all grout residue.

#### GROUT/MORTAR 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 to grout joints. Use a pump sprayer or **MiraBrush Applicator & Tray** on vertical or large areas for salt ion, water, oil and stain resistance.
2. Allow **511** to dwell 3 – 5 minutes.
3. Wipe or buff off any excess before it dries on the surface.
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.

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 directions.

#### 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 recommended for high traffic and food areas for maximum stain and slip protection.

#### SEALING AND GRAFFITI PROTECTION

For areas susceptible to graffiti use the appropriate **511 Sealer** to help repel graffiti. As with anything, conduct a test to determine suitability for intended use.

#### SEALING AND COLOR ENHANCEMENT

Always test a small area to insure desired results. This product can cause some substrates to get blotchy so tests are required prior to using. 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 and texture of all brick, concrete & masonry and cast stone surfaces. In addition to beautifying the stone, **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, pump sprayer 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.
9. Excess may be removed by reactivating residue with **511 Seal & Enhance** and immediately buffing dry.
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.

**Special Note: 511 Seal & Enhance cannot be stripped or removed from the surface once the surface has been color enhanced. Make sure to test and assure the look is what is desired.**

## RESTORATION

### GRAFFITI REMOVAL

Always test a small area to insure desired results.

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

Graffiti can be removed with a water rinseable paint remover/stripper and a light pressure washing (less than 800 PSI) or other type of graffiti removal product.

1. Sweep or vacuum all dust, dirt and surface debris. Insure the surface is clean, dry and free from contaminants.
2. Apply stripper undiluted onto the surface with the graffiti.
3. Apply liberally and allow to dwell 10 – 20 minutes.
4. Agitate periodically with a stiff brush.
5. Do not allow stripper to puddle or air dry on the surface.
6. Work in small areas.
7. Rinse surfaces with a mild pressure washer (less than 800 psi).
8. Hot water or steam is much better.
9. Multiple applications may be necessary.
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.

**Special Note: Aggressive cleaning can remove microscopic layers of the surface and with it the protection of 511. Miracle Sealants recommends reapplication of 511 in areas that have been cleaned using a pressure washer.**

**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, waxes and epoxy grout film use **Miracle Sealants' Finish Sealer Stripper** fast acting stripper. To remove existing solvent base coatings, waxes and mastics, use solvent base 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 170 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 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 directions.

**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 **Miracle HD Cleaner, Phosphoric Acid Cleaner, Heavy Duty Acidic Cleaner or Liquid Poultice**.

For hard water deposits and efflorescence that may begin to develop over time use **Miracle Sealants Phosphoric Acid Cleaner**. Easy-to-use and very effective at removing the minerals as well as excess grout and mortar.

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 directions.

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 directions.

**Special note: Vapor from Heavy Duty Acidic Cleaner can etch metals and damage other surfaces. Be sure to take necessary precautions.**

**STAIN REMOVAL**

For stain removal troubleshooting use **Poultice Plus** and refer to **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 1/2" thick and overlap 1/2".
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. Knock 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 directions.

**MAINTENANCE****LIGHT CLEANING FOR THE NATURAL LOOK**

For a general cleaning 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 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.

**LIGHT CLEANING FOR COLOR ENHANCEMENT**

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

**COUNTER CLEANING**

Always test a small area to insure desired results.

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

For smooth finish 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. Agitate using a soft sponge, brush or cloth.
4. Wipe dry using a clean dry towel.
5. No rinsing necessary.
6. Finished area can be used immediately.
7. Refer to the Product Data Sheet, SDS & Label for complete directions.

### 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 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, 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 originally used.