

Tile Restor

To Hone And Deep Clean Very Old and/or Worn

- Mosaic Tile
- Porcelain Tile
- Ceramic Tile
- Quarry Tile

Uses

- Floors
- Restrooms
- Showers
- Kitchens

Special Features

- Easy-to-Use
- Fast
- Effective
- Non-Coating
- Never Yellows
- No Stripping
- Cost Effective

PRODUCT DESCRIPTION

KEEP OUT OF REACH OF CHILDREN. **Tile Restor** is a unique, natural, non-wax powder compound for cleaning and restoration of most heavily damaged and old ceramic, quarry, mosaic and porcelain tiles. **Tile Restor** requires no special training to use. When used properly, **Tile Restor** prepares the tile surface for final polishing with **Tile Brite**. Used in combination they will give a long lasting luster, while providing a durable slip resistant surface. After restoration, use of **Tile Brite** will leave a finish that will last approximately 3 - 5 years. Use of **511 Impregnator** and **Porcelain & Ceramic Tile Cleaner** offers the most complete program available for the ongoing care and protection of ceramic tile. The use of the Miracle Sealants Tile Care program eliminates stripping and waxing of tile.

Sample Testing

Due to the differences of each material, several inconspicuous test patches should be completed to assure maximum performance. **User must determine suitability of the product for their intended use.**

Protect Neighboring Surfaces

Always protect neighboring surfaces including wood, metal, carpet, baseboards, fabric, landscaping, etc.

APPLICATION INSTRUCTIONS

Read the entire label and PDS/MSDS before starting.

- a. All previous applied sealers, coatings and/or waxes must be removed using **Mira Strip** or **Finish Sealer Stripper** as directed.
- b. If the grout is very dirty scrub using **HDAC** as directed.
- c. If the floor is very dirty or old (typically 5 years or more), use **Tile Restor**, if not proceed directly to **Tile Brite** as directed.
- d. Apply a small amount of water to the tile and grout surface. Work in approximately 25 - 35 square feet at a time. Do not work large areas.
- e. Sprinkle a handful of **Tile Restor** onto the wet surface (approximately 5 ounces per 25 square feet of tile).
- f. Buff the **Tile Restor** creating a slurry with natural hair brush or pad. (A **Marble Master** or similar floor machine is preferred). Approximately 10 minutes per 25 - 35 square feet of tile.
- g. Move slurry aside with a squeegee. Check for desired cleanliness and luster. Work longer if necessary. When the desired cleanliness and luster is achieved, squeegee the **Tile Restor** slurry to the next section and add **Tile Restor** and water as needed. **DO NOT ALLOW Tile Restor TO DRY ON THE SURFACE.**
- h. Remove excess slurry with a wet vacuum. Wet the surface with clean water and buff with the same brush or pad. **DO NOT ADD MORE Tile Restor.** This procedure will remove any residue.
- i. Vacuum dry and let air dry.
- j. Polish to final luster using **Tile Brite** as directed.

Heavy Duty Cleaning: Use **Phosphoric Acid Cleaner**, **HDAC** or **Liquid Poulter** as directed.

Light Cleaning: Use **Porcelain & Ceramic Tile Cleaner**, **Tile & Stone Cleaner**, **Grout Cleaner** or **Counter Kleen** as directed.

Water, Stain & Slip Protection

To protect cleaned area from future soiling and staining and increase static coefficient of friction, we recommend applying the appropriate **Miracle Penetrating Sealer/Impregnator**.

Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, time solution left on surface, weather and application methods. Used as directed, **Tile Restor** will cover approximately 80 - 115 square feet per pound (7 - 11 square meters).

Protect Neighboring Surfaces

Treat all surfaces with **511 Impregnator** as directed.

MAINTENANCE

For ongoing maintenance instructions please refer to **Miracle Sealants Care Guide**. Refer to the **Miracle Sealants Product Recommendation Chart** for specific product recommendations.

Future Restoration

Use **Tile Restor** and **Tile Brite** as directed.

Storage

Store **Tile Restor** in the original upright container, properly sealed and unmixed. Stored at 77° F (25° C), **Tile Restor** will have a shelf life of 12 months. Do not allow to freeze.

Technical Support

For additional technical support, contact Miracle Sealants Company at 1-800-350-1901 or 626-443-6433 ext. 3013

Office Hours

Monday - Friday from 8:30 am - 5:00 pm PT.
1-626-443-6433 or 1-800-350-1901 • Fax: 1-626-443-1435
website: www.miraclesealants.com

Product Damaged During Transportation

If product is damaged during transportation contact Info Trac @ 1-800-535-5053 for additional information 24 hours a day.

Additional Products

Miracle Sealants Company offers a complete line of water & stain repellents, sealers, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

Caution

Use in a well ventilated area. This product contains a corrosive and must be used as directed. **KEEP OUT OF REACH OF CHILDREN.** Avoid contact with food or beverages and risk of accidental ingestion. Do not transfer to other bottles or containers. Protect skin and eyes. If exposed flush with water. Chemical resistant gloves should be worn at all times. Keep small children and pets out of the area until product or surface has thoroughly dried. **Refer to MSDS for additional information.**

Warranty

Instructions are a condensed guide and should not be considered complete. In the event of failure, the only obligation of Miracle Sealants Company shall be to replace such products proven to be defective. **Before using, user shall determine the suitability of the product for their intended use. User assumes all risks and liability whatsoever in connection therein.** Neither seller nor manufacturer shall be liable for any injury or inability to use this product.

Tile Restor

Osha's Hazard Communication Standard U.S. Department Of Labor

29 CFR 1910.1200
Identity No:

OMB No. 1218-0072
Name: Tile Restor

Section 1

Manufacturers Name: Miracle Sealants Company
Address: 12318 Lower Azusa Road
Emergency Phone: 800-350-1901
City: Arcadia
State: CA
Phone: 626-443-6433
Date Prepared: 02 - 2012

Section 2 - Hazardous Ingredient/Identity Information

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Magnesium Fluorosilicate Acid	18972-56-0	-	-
Aluminum Oxide	1344-28-1	-	-

VOC : 0% by weight (non-regulated)

Section 3 - Physical/Chemical Characteristics

Boiling point: 200° C
Vapor pressure : Not Available
Vapor density (AIR-1): Not Available
Solubility in water: Non soluble

Specific gravity (H₂O = 1) : 2.7 gr/ml
Melting point: Not Available
Evaporation rate : Not Available
pH (wet): 4

Appearance and odor: White powder / odorless

Section 4 - Fire and Explosion Hazard Data

Flash point: Not Available
LEL: Not Available

Flammable limits: Not Available
UEL: Not Available

Extinguishing media: Not Available
Special fire fighting procedures: Not Available
Unusual fire and explosion hazards: Non-flammable product
NFPA hazard rating (0 = Least, 4 = Extreme)

Health: 1
Reactivity: 0

Fire: 0
Other: 0

HMIS Hazard Rating:
Health: Not Available
Reactivity: Not Available

Fire: Not Available

Section 5 - Reactivity Data

Stability: Stable
Conditions to avoid: None known
Incompatible materials to avoid: None known
Hazardous decomposition or byproducts: None known
Hazardous polymerization: Will not occur

Section 6 - Health Hazard Data

Routes of Entry:

Inhalation - Slight irritation
Skin - Slight irritation
Ingestion - Slight irritation

Health hazards (acute & chronic) - May irritate eyes, skin and respiratory tract.

Medical conditions generally aggravated by exposure: None known

OSHA Carcinogenicity - No
NTP - No
IARC Monographs - No

Emergency and First Aid Procedures:

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, get medical attention at once.

Skin: Wash thoroughly with soap and water.

Inhalation: Move exposed person to fresh air. If irritation persists, get medical attention promptly.

Ingestion: If this product is swallowed, do not induce vomiting. Get medical attention at once.

Section 7 - Precautions For Safe Handling And Use

Steps to be taken in case material is released or spilled: If dry, vacuum up. If wet, pick up, then flush with water. If sweeping is necessary, use dust suppressant.

This product is not toxic nor corrosive.

Precautions to be taken in handling and storing: Avoid skin and eye contact. Store in original container and in a dry place.

Waste disposal method: Dispose of in accordance with federal, state and local regulations.

Other precautions: KEEP AWAY FROM CHILDREN AND ANIMALS. This product is to be used exclusively by cleaning and stone restoration professionals.

Section 8 - Control Measures

Respiratory protection: Use dust protection mask. If exposure above the TLV or PEL require a NIOSH approved respirator equipped for the exposure or suitable respiratory protection per 29 CFR 1910.134 is required.

Ventilation:

Local exhaust - Is desirable

Protective gloves: Plastic or rubber, chemical resistant.

Eye protection: Tight fitting splash proof safety glasses.

Other protective clothing or equipment: Chemical resistant clothing, water proof apron & boots recommended.

Work hygienic practices: Wash hands thoroughly before handling food stuffs, liquids or tobacco products. Use common sense and care around chemicals. Never mix this product with other chemicals. Consult your supervisor for all other hygienic and safety practices. All practices depend on your specific business. Directions for use normally found on label which will dictate engineering and control measures.

Section 9 - Shipping & Regulatory Classification

DOT Shipping Name: Please refer to the Bill of Lading receiving/ documents for up-to-date information.

DOT Hazard Class: Not Available

Toxic Substances Control Act (TSCA): This product and/or all the ingredients contained in this product have been registered under the Toxic Substances Control Act.

SARA: No SARA 313 chemicals identified.

NOTE: Miracle Sealants believes the data set forth are accurate. Miracle Sealants makes no warranty with respects thereto and disclaims all liability or reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion.