

511 Impregnator

Natural Look Penetrating Sealer

Water, Stain & Slip Protection for

■ Quarry Tile	■ Ceramic Tile	■ Porcelain Tile
■ Glazed Tile	■ Marble	■ Granite
■ Travertine	■ Medium-Dense Slate	■ Grout
■ Quartz	■ Medium-Dense Brick	■ Terrazzo

Uses

■ Interior & Exterior	■ Kitchen	■ Showers
■ Restrooms	■ Patios	■ Drive Ways

Special Features

■ Easy-to-Use	■ Weather Resistant	■ Low Toxicity
■ Salt Resistant	■ Non Coating	■ Freeze/Thaw Resistant
■ Acid Resistant	■ Non Yellowing	■ Stain Resistant
■ Slip Resistant	■ U.V. Transparent	■ Water Resistant

PRODUCT DESCRIPTION

KEEP OUT OF REACH OF CHILDREN. This product is formulated for sealing concrete and masonry to provide resistance against water, alkalis, acids, ultraviolet light, staining, salt ion intrusion and freeze/thaw damage. **511 Impregnator** is a unique polymerized silicone formulation designed for the protection of all medium to dense porous tile, stone and grout surfaces. **511 Impregnator** penetrates into the surface and forms an invisible barrier that is resistant to moisture and stains, while allowing vapor to escape. **511 Impregnator** is not a surface coating and will not alter the natural look. All surfaces are harder and less slippery. **511 Impregnator** can be used on interior and exterior applications. **511 Impregnator** is U.V. transparent, resists acid rain and will not yellow under any circumstances. **511 Impregnator** averages five to twenty times the coverage of competitive products. (See coverage chart). **511** has been formulated for or applied to freshly poured concrete to retard the evaporation of water.

511 Impregnator is on the approved sources list of the United States Postal Service and is U.S.D.A. approved for incidental food contact in federal meat and poultry establishments.

Test Data

Independent laboratory tests show **511 Impregnator** out performs competitive products. Test results are available upon request for Staining, Static Coefficient of Friction, Tabor Abrasion, Surface Absorption, Freeze/Thaw, Vapor Transmission and Bacteria Repellency.

NOTE: On more porous surfaces use **511 Porous Plus** as directed. For any questions concerning grout refer to the grout manufacturers specifications. **511 Impregnator** will not stop acid etching.

Sample Testing

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

Color Enhancement

For added color with "TEXTURED AND NON POLISHED" surfaces, **511 Seal & Enhance** or **Mira Matte** may be applied as directed.

Gloss Enhancement

For a higher gloss finish on POLISHED stone surfaces, use **Water Ring & Etch Remover**, **Marble Conditioner**, **Mira Dust** or **Mira Polish**. For counters and furniture, use **Stone Polish**. For tile surfaces, try **Tile Brite**.

Slip Resistance

511 Impregnator increases the static coefficient of friction on all surfaces. **511 Impregnator** has been used successfully for compliance with the American Disability Act's recommendations for slip resistance (ASTM C 1028-89) on polished & honed surfaces.

Protect Neighboring Surfaces

Always protect neighboring surfaces including wood, carpet, metal, landscaping and other non masonry surfaces.

NEW INSTALLATIONS - APPLICATION INSTRUCTIONS

Read entire label and PDS/MSDS before using. **511 Impregnator** should not be diluted or thinned in any way. **511 Impregnator** should be used as is direct from approved container.

Before Grouting: Apply **511 Impregnator** to all surfaces prior to grouting. This step will allow quick and easy cleanup after grouting. Grout can stain many surfaces if this procedure is not used prior to the grouting process. Apply **511 Impregnator** using a **Mira Brush** or a clean towel. Apply enough to wet the surface. (See coverage charts) Be careful not to saturate the open grout joints. Allow **511 Impregnator** to stand for approximately 3 - 5 minutes for maximum penetration. All excess must be removed at this time by buffing surface with a clean dry towel. This is very important on polished, glazed and porcelain surfaces. Allow **511 Impregnator** to cure for 12 - 24 hours before continuing with the grouting procedure.

After Grouting: Once grouted, make sure that all grout residue is removed from the surface with a clean sponge and water. Allow grout to cure per manufacturers specification. If grout clean up is not performed effectively, an additional cleaning may be necessary to remove remaining grout residue or haze. For this procedure use **Phosphoric Acid Cleaner**, (**GCFR**) **Grout & Concrete Film Remover (Hydrochloric Acid)**, **Sulfamic Acid Crystals** or **Epoxy Grout Film Remover** following the instructions carefully. Once the area has completely dried, proceed with the sealing of the grout for water and stain resistance. Apply **511 Impregnator** to all grout with a paint brush. Any excess sealer that gets on the surface should be wiped off with a clean towel before it dries. On larger jobs grout can be sealed by retreating the entire area includ-

ing the tile or stone surface a second time. Be careful not to allow the sealer to puddle or dry on presealed surfaces.

Existing Installation - Surface Preparation

Surface must be dry and free of contaminants, including previously applied sealers, dirt, lime & hard water deposits, efflorescence, rust & other heavy dirt and grime.

Surface Coating/Wax Removal: To remove existing coatings and/or waxes, use **Mira Strip** or **H2O Strip** as directed.

Heavy Duty Cleaning: To remove lime and hard water deposits, efflorescence, rust, grease and other heavy dirt and grime use **GCFR (Grout & Concrete Film Remover) Phosphoric Acid Cleaner** as directed.

For a non acid deep clean use **Liquid Powlitce** as directed.

Light Cleaning: Use **Mira Clean #1**, **Porcelain & Ceramic Tile Cleaner**, **Mira Soap**, **Counter Kleen** as directed.

Existing Installation - Application Instructions

Follow the application instructions previously mentioned, except now, seal the grout and tile or stone surfaces at the same time. When treating surfaces together, make sure that the recessed grout is saturated.

Mold, Mildew and Bacteria Sanitation

For best results in killing mold, mildew, bacteria and other micro organisms, use **Miracle Wipes** as directed.

Residue Removal

To remove accumulated **511 Impregnator** residue, use **Miracle Residue Remover** as directed.

Color and Gloss Enhancement

For color & gloss enhancement, use **Mira Matte** or **Mira Shine** as directed.

Cure Time

511 Impregnator will be dry to the touch in 1 - 3 hours and may be used for normal foot traffic. For optimum results the area should be kept dry and free from staining materials for 72 hours.

Coverage Chart - Used as directed

	Cost per sq.ft./sq.m.	1000 sq.ft. 90 sq.m.	2000 sq.ft. 180 sq.m.	3000 sq.ft. 270 sq.m.	4000 sq.ft. 360 sq.m.
Sanded Grout	(.06-.11)				
Quarry Tile	(.05-.09)				
Ceramic Tile	(.03-.05)				
Glazed Tile	(.03-.05)				
Porcelain Tile	(.02-.03)				
Polished Granite	(.02-.03)				
Polished Marble	(.02-.03)				
Terrazzo	(.03-.05)				
Brick	(.05-.09)				
Slate	(.05-.09)				
Quartz	(.03-.05)				
Travertine	(.03-.05)				
Masonry	(.05-.09)				

Cost per sq.ft. is based on a suggested list price of \$105/gallon. 1 gallon = 3.785 liters.

MAINTENANCE

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

Storage

Store **511 Impregnator** in the original container, properly sealed to avoid contamination and solvent evaporation. Stored at 77° F (40° C), **511 Impregnator** will have a shelf life of 12 months.

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 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

Additional Product

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

511 Impregnator

Natural Look Penetrating Sealer

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

29 CFR 1910.1200 OMB No. 1218-0072
Identity No: Name: 511 Impregnator

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: 10-2008

Section 2 - Hazardous Ingredients/Identity Information

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV
Petroleum Distillate	64741-65-7	100ppm	150ppm

VOC: Less than or equal to 738 g/L

Section 3 - Physical/Chemical Characteristics

Boiling point: 355 - 395° F	Specific gravity: 0.80
Vapor pressure (200 C): .5 mm hg	Melting point: Not Available
Vapor density (Air=1): 5.3	Evaporation rate: < 0.1
Solubility in water: Insoluble	Density: 798 Kg/M3
Appearance and odor: Clear, colorless, aromatic liquid.	

Section 4 - Fire And Explosion Hazard Data

Flash Point: 125° F (PCC)	Flammable limits:
LEL: 1	UEL: 7
pH: Neutral	DOT#: Not Available
NFPA Hazard rating H F R S (0-Least, 4-Extreme): 1 2 0 0	
Extinguishing media: Dry chemical, CO ₂ , water fog	

Special fire fighting procedures: Combustible, wear bunker gear and NIOSH approved breathing apparatus.

Unusual fire and explosion hazards: Cool exposed containers with water to prevent rupturing. Heat will cause phosgene gas.

Section 5 - Reactivity Data

Stability: Stable
Conditions to avoid: Keep away from sources of ignition such as heat, sparks or open flames.
Incompatible materials to avoid: Oxidizing agent.
Hazardous polymerization: Will not occur.
Hazardous decomposition products: Carbon monoxide, carbon dioxide, silicic acid, fumes of xylene, aromatic and aliphatic hydrocarbons.

Section 6 - Health Hazard Data

Routes of entry:

Inhalation - Possible
Skin - Possible
Ingestion - Possible
Health hazards - Same as signs and symptoms of exposure
OSHA carcinogenicity - None; NTP - None; IARC monographs - None

Signs and symptoms of over exposure

Eyes: Causes severe eye irritation
Skin: Causes mild skin irritation, drying of the skin. May cause an allergic skin reaction.
Ingestion: Harmful if swallowed. Causes vomiting, nausea and diarrhea.
Inhalation: Excessive inhalation causes headache, dizziness, nausea and incoordination. Harmful if inhaled.
Medical conditions aggravated: Respiratory, pulmonary, liver and kidney disorders. Central nervous systems disorders. Gastrointestinal disorders.

Emergency and First Aid Procedures:

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Skin: Remove contaminated clothing and laundry before reuse. Wash with soap and water. Get medical attention if irritation persists.

Ingestion: If swallowed, do not induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical attention.

Section 7 - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: wipe, scrape or soak up in an inert material and put in a container for disposal. Wear proper protective equipment. Remove sources of ignition. Increase area ventilation.

Waste disposal method: disposal should be made in accordance with federal, state and local regulations. Incineration recommended in approved incinerator according to federal, state and local regulations.

Precautions to be taken in handling and storing: use a ground strap. Store upright in a cool place below 77° F (40° C). Keep container closed when not in use. Avoid breathing vapors. Combustible.

Other precautions: KEEP OUT OF REACH OF CHILDREN. Follow directions on the container for proper use of this product.

Section 8 - Control Measures

Respiratory protection: Ventilate by opening all doors and windows. 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.

Protective gloves: Rubber or plastic, chemical resistant.

Eye protection: Tight fitting, splash proof safety glasses or goggles.

Other protective clothing or equipment: Chemical resistant clothing.

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: N/A
OSHA Hazard Class: N/A
UN/NA Number: N/A
EPA Hazard Waste: D 001, Ignitable
CPSC Classification: Combustible liquid
Transportation Class: 55

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: 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.

WARRANTY & CAUTIONS

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.

Caution

511 Impregnator contains combustible petroleum distillates. All solvents must be considered toxic and must be used in a well ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Open windows and use fans to circulate air. Continue to ventilate until vapors are eliminated. Exposure to high vapor concentration must be avoided. Inhaling the vapors can be harmful. Keep away from heat and open flames. Avoid prolonged contact with skin. 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 the MSDS for additional information.