PRODUCT DATA SHEET

511 Impregnator
Natural Look Penetrating Sealer

Water, Stain & Slip Protection for
Quarry Tile
Glazed Tile
Travertine
Quartz

Uses

Interior & Exterior Restrooms Special Features

Easy-to-Use Salt Resistant Acid Resistant Slip Resistant Anti Microbial Ingredient

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

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. For water repellency, this product is an excellent dry to dry application. 511 Impregnator is a water-based, non-solvent, non-slip formula designed for the protection of all medium to dense porous tile, stone and grout surfaces. For added protection and color, use 511 Impregnator. Due to the differences of each substrate, several inconspicuous test patches should be made. 511 Impregnator is on the approved source 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 outperforms competitive products. Test results are available upon request for Staining, Static Coefficient of Friction, Abrasion, Surface Absorption, Freeze / Thaw and Vapor Transmission.

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 high gloss finish on POLISHED stone surfaces, use Water Ring & Etch Remover, Mira GoodCleen, Mira Dust or Granules Brite. For countertops 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 SDS before using. 511 Impregnator should not be diluted or thinned in any way. 511 Impregnator should be used as directed 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 cloth. This is very important on polished, glazed and porcelain surfaces. Allow 511 Impregnator to cure for 6 - 12 hours before continuing with the grouting procedure.

For more porous substrates apply another application after the previous application has dried 2 - 3 hours. For very porous or difficult substrates, refer to 511 Porous Plus or 511 HiTw Plus.

After Grouting: Once grouted, make sure that all grout residue is removed from the surface with a 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, (HDAC) Heavy Duty Acidic Cleaner (Hydrochloric Acid) 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 water 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 including the tile or stone surface a second time. Be careful not to allow the sealer to puddle or dry on pre-sealed 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 Finish Sealer Stripper as directed.

Heavy Duty Cleaning: To remove lime and hard water deposits, efflorescence, rust, grease and other heavy dirt and grime use HDAC (Heavy Duty Acidic Cleaner) or Phosphoric Acid Cleaner as directed.

For a non acid deep clean use Liquid Poultice as directed.

Light Cleaning: Use Tile & Stone Cleaner, Porcelain & Ceramic Tile Cleaner, Limestone/Travertine 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.

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 High-Gloss Finish Sealer as directed.

Cure Time
511 Impregnator will 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

<table>
<thead>
<tr>
<th>Surface Type</th>
<th>Cost per sq.ft/sq.m.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sanded Grout</td>
<td>0.07 - 0.12</td>
</tr>
<tr>
<td>Quarry Tile</td>
<td>0.05 - 0.09</td>
</tr>
<tr>
<td>Ceramic Tile</td>
<td>0.03 - 0.05</td>
</tr>
<tr>
<td>Glazed Tile</td>
<td>0.05 - 0.07</td>
</tr>
<tr>
<td>Porcelain Tile</td>
<td>0.02 - 0.03</td>
</tr>
<tr>
<td>Polished Granite</td>
<td>0.02 - 0.03</td>
</tr>
<tr>
<td>Polished Marble</td>
<td>0.02 - 0.03</td>
</tr>
<tr>
<td>Terrazzo</td>
<td>0.08 - 0.09</td>
</tr>
<tr>
<td>Brick</td>
<td>0.05 - 0.09</td>
</tr>
<tr>
<td>Slate</td>
<td>0.05 - 0.09</td>
</tr>
<tr>
<td>Quartz</td>
<td>0.03 - 0.05</td>
</tr>
<tr>
<td>Travertine</td>
<td>0.05 - 0.09</td>
</tr>
<tr>
<td>Masonry</td>
<td>0.05 - 0.09</td>
</tr>
</tbody>
</table>

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 therewith. 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 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. Inhalation of the vapors can be harmful. Keep away from heat and open flames. Avoid eye 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.

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 (25°C), 511 Impregnator will have a shelf life of 12 months.

Technical Support

For additional technical support, contact Miracle Sealants Company at 1-800-351-0901 or 626-443-6433 ext. 3013

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