



# 511 POROUS PLUS INVISIBLE PENETRATING SEALER

## DESCRIPTION AND USES

Miracle Sealants 511 Porous Plus is designed for sealing porous tile, stone, and grout surfaces to provide resistance against water, oil, alkalis, staining, salt ion intrusion, and freeze/thaw damage. As our best solvent-based sealer, 511 Porous Plus forms an invisible barrier that is resistant to moisture and stains while allowing moisture vapor to escape.

511 Porous Plus is not a surface coating and will not alter the natural look of the surface.

511 Porous Plus can be used on interior and exterior applications. 511 Porous Plus is U.V. transparent, resists acid rain and will not yellow. 511 Porous Plus averages 2 to 10 times the coverage of competitive products. (See coverage chart).

**NOTE:** 511 Porous Plus will not stop acid etching.

## IDEAL SUBSTRATES

- Granite
- Polished Stone
- Natural Stone
- Travertine
- Sandstone
- Masonry/Brick
- Marble
- Quarry Tile
- Slate
- Saltillo
- Terra Cotta
- Ceramic Tile
- Grout
- Limestone
- Flagstone
- Cantera/Adoquin

## RECOMMENDED USES

For all heavy use residential and commercial areas such as:

- Countertops
- Backsplashes
- Entryways
- Floors
- Bathrooms
- Showers
- Hotels, Motels, & Hospitality Industry
- Walkways
- Patios
- Pool Decks
- Restaurants
- Cafeterias
- Locker Rooms
- Department Stores
- Kitchens
- Bathtubs
- Grocery Stores
- Roofs
- Retail Malls & Outlets
- Stadiums & Public Work Areas

## PRODUCT FEATURES

- Easy to use, deep penetrating formula
- Resists acid rain and will not yellow
- Protects against salt, weather, stain & water
- Slip resistant
- UV Transparent
- Freeze/thaw resistant
- Grout release
- Interior & Exterior applications
- Lasts 3-5 years
- Meets USDA requirements for incidental food contact

## PRODUCTS

SKU	DESCRIPTION
PlusDrum	55 Gallon Drum
PlusPail	5 Gallon Pail
PlusGal4	Gallon
PlusQT6	Quart
PlusPT6	Pint
Plus8oz12	8 Oz. Spray
Plus4oz16	4 Oz. Sample

## PRODUCT INFORMATION

Read entire label and SDS before using. 511 Porous Plus should not be diluted or thinned in any way. 511 Porous Plus should be used, as is, direct from approved container.

**NOTE:** Always protect neighboring surfaces, including wood, carpet, metal, landscaping and other non-masonry surfaces.

## NEW SURFACE

### SURFACE PREPARATION

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

## NEW SURFACE APPLICATION

511 Porous Plus is ready to use. Do not thin. Use only when air (ambient) temperature is between 32-120°F (0-49°C) Do not apply in direct sunlight. For exterior applications, do not apply if rain is expected within 24 hours. Use in a well ventilated area.

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

**Before Grouting:** Apply 511 Porous Plus to the surface only of your substrate 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 Porous Plus using a Miracle Sealants Mira Brush or a clean, lint free rag. Apply enough to wet the surface. Be careful not to saturate the open grout joints. Allow 511 Porous Plus to stand for approximately 3-5 minutes for maximum penetration. All excess must be removed at this time by buffing surface with a clean, lint free rag. This step is very important, as removing excess sealant is necessary for all substrates.

Allow 511 Porous Plus to cure for 6-12 hours before continuing with the grouting procedure. For very porous substrates apply another application after the previous application has dried 2-3 hours.



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## NEW SURFACE APPLICATION (cont.)

**After Grouting:** Once grouted, make sure that all grout residue is removed from the surface with a clean sponge and water. Allow grout to fully cure per manufacturer's 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 the appropriate Miracle Sealants cleaner for the grout you have installed: Phosphoric Acid Cleaner, (HDAC) Heavy Duty Acidic Cleaner (Hydrochloric Acid), Miracle Heavy Duty Cleaner or Epoxy Grout Film Remover, following the instructions carefully.

Once the grout has completely cured, proceed with the sealing of the grout for water and stain resistance. Apply 511 Porous Plus to all (appropriate) grout (some grout will require the use of a water based sealer, for those installations use 511 Water-Base or 511 H2O Plus) with a paint brush. Any excess sealer that gets on the surface of the stone or tile should be wiped off with a clean, lint free rag before it dries.

**NOTE:** 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 Coating/Wax Removal:** To remove existing coatings and/or waxes, use Miracle Sealants Finish Sealer Stripper or appropriate stripper as directed.

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

Use Miracle Heavy-Duty Cleaner (acid substitute) to remove grout haze, built-up grease, dirt and stains from all ceramic, porcelain, grout, glass and natural stone.

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

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

## EXISTING INSTALLATION APPLICATION

Follow the new surface 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.

## ADDITIONAL PRODUCT INFORMATION

**COVERAGE:** Chart is a guide for projects and most commonly used substrates.

Coverage Chart - used as directed

Material	Cost per sq.ft./sq.m.	500 sq.ft. 45 sq.m.	1000 sq.ft. 90 sq.m.	1500 sq.ft. 135 sq.m.	2000 sq.ft. 180 sq.m.
Sanded Grout	(.15-.28)				
Limestone	(.15-.28)				
Saltillo	(.15-.45)				
Sand Stone	(.15-.28)				
Flag Stone	(.15-.28)				
Flamed Granite	(.15-.28)				
Textured Marble	(.15-.28)				
Brick	(.15-.28)				
Concrete	(.15-.45)				
Stucco	(.22-.45)				
Slate	(.15-.28)				
Terra Cotta	(.15-.45)				
Cantera/Adoquin	(.15-.45)				
Masonry	(.15-.45)				
Polished Stone	Cost per sq. ft./3000-4000 sq.ft. (.05 - .07)				

Cost per sq.ft. is based on a suggested list price of \$240/gallon. 1 gallon = 3.785 liters.

**CURE TIME:** 511 Porous Plus will be dry to the touch in 1-3 hours and may be used for light use then. For optimal results, the area should be kept dry and free from staining materials for 72 hours. Furniture and area rugs can be moved back in carefully after 72 hours.


**CLEAN UP:** Clean brushes and application tools with mineral spirits, paint thinner or acetone immediately after use.

**HANDLING & STORAGE:** Stored at 77°F (25°C), 511 Porous Plus will have a shelf life of 36 months. Store 511 Porous Plus in the original container, properly sealed to avoid contamination and solvent evaporation.

**DISPOSAL:** Dispose of unused or unwanted product in accordance with local laws regulating oil-based coatings.

**MAINTENANCE:** For ongoing maintenance instructions please refer to Miracle Sealants Care Guide. Refer to the Miracle Sealants Product Recommendation Chart for specific product recommendations at [www.rustoleum.com/miraclesealants](http://www.rustoleum.com/miraclesealants).

**TECHNICAL SUPPORT:** For additional technical support, contact Miracle Sealants at 1-800-350-1901.

	<b>TECHNICAL DATA</b>	<b>MS-04</b>
	<b>511 POROUS PLUS INVISIBLE PENETRATING SEALER</b>	

**PHYSICAL PROPERTIES**

		511 POROUS PLUS
<b>Resin Type</b>		Silicone
<b>Pigment Type</b>		NA
<b>Solvents</b>		Mineral Spirits
<b>Weight</b>	<b>Per Gallon</b>	6.79 lbs.
	<b>Per Liter</b>	0.81 kg
<b>Solids</b>	<b>By Weight</b>	11.4 %
	<b>By Volume</b>	8.0 %
<b>Volatile Organic Compounds</b>		<750 g/l
<b>Practical Coverage at Recommended DFT (assume 15% material loss)</b>		Up to 4000 sq.ft./gal. (Up to 98.2 m <sup>2</sup> /l) Coverage varies based on substrate texture and porosity
<b>Dry Times at 70°F (21°C) and 50% Relative Humidity</b>	<b>Recoat</b>	Minimum of 1-3 hours and a minimum of 2 hour minimum for porous surfaces
	<b>Light Use</b>	Minimum of 1-3 hours and a minimum of 1 hour for porous surfaces
	<b>Full Cure</b>	72 hours
<b>Shelf Life</b>		3 years
<b>Dry Heat Resistance</b>		NA
<b>Flash Point</b>		110°F
<b>CAUTION!</b>		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.
<b>Safety Information</b>		For additional information, see SDS

Calculated values are shown and may vary from the actual manufactured material.

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.