

DIVISION DE:



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## PS400 PENETRATING SEALER MICROTECH

HIGH PERFORMANCE water based penetrating sealer formulated to protect natural stones, ceramic, porcelain, glass tiles, Quartz and grout leaving a natural look with **NO** sheen and apparent coating.

### PRODUCT CODE, SIZE & PACKAGING

Code: PS400-01 946ml – 6 or 12 per case

Code: PS400-05 500ml – 12 per case

Code: PS400-04 4 liters - 4 per case

Code: PS400-20 20 liters – 1 pail



### DIRECTIONS

### PREVENTION MEASURES

#### PERSONAL SAFETY

Wearing of gloves, safety glasses and appropriate clothing to prevent skin contact when using the product is always recommended.

Please follow safety guidelines outlined in the "CAUTION" section indicated on the bottle (see hereunder).

#### NEIGHBORING AREA PROTECTION

Always protect the neighboring working area against unexpected contact with the product to avoid irreversible damage or alterations that could only be restored by its replacement.

#### PREREQUISITE CONDITIONS

**Surface temperature should be between 15 and 30°C (59 and 86°F).**

Do not confuse surface temperature with room temperature.

In some cases there can be an important gap between the temperature you can feel on a surface and the ambient temperature. For example, a surface directly exposed to sun light through a window will most likely be much warmer than the ambient air. Also, a surface in a basement or at ground level without no basement or with an unheated basement will be colder than the ambient air. In both those cases, the drying time will be affected hence affecting the strength and resistance of the sealer which could also remain sticky.

**Test first on a small and adequate surface, to assess results.**

**- First time user, without preliminary testing.**

Never use the product for the first time on a large area without preliminary testing.

Usage of the sealer with no prior experience could end-up with an undesired result (visible defects, undesired finish or inadequate protection of the treated surface) which could have been caused by the application method used, the incompatibility between the sealer and the materials on which it was applied or the sealer's characteristics. In those cases,

#### **RECOMMENDED SURFACES:**

- Granite
- Slate
- Marble & Calcareous stones
- Quartz (honed and textured finished)
- Ceramic & porcelain tiles
- Glass tiles
- Brick
- Concrete
- Grout joints
- Floors, walls, counters & backsplashes
- Residential, commercial and institutional applications
- Interior & exterior use

#### **CHARACTERISTICS:**

- No color enhancement
- No gloss
- No superficial film when dry
- No food transmission
- Excellent protection against household dirt and stains
- Excellent water repellency
- Excellent oil and grease resistance

stripping off the sealer on a large area could prove strenuous and could have been avoided with prior testing on a small area. Even more, the removing process could damage or alter irreversibly the covering material that could only be restored by its replacement.

**- Using the product on a new surface or on an unknown surface, without preliminary testing.**

Even if you have used the product in the past, because covering manufacturers do modify occasionally the composition of their products, there could be, without your knowledge, presence of an incompatible substance that could be irreversibly damaged or altered or give unexpected end results that would only be restored by its replacement.

**- Never apply the sealer on a dirty or soiled surface.**

The application of the sealer on a dirty surface or on which there are remaining grout residues, will trap in the contaminants, leaving dirt apparent and make the maintenance very difficult.

**- Do not apply the sealer on a waxed surface without prior removal.**

Application of a coat of sealer on a waxed surface will not be appropriate. There won't be any penetration or adequate adherence, leaving the surface with apparent "fish eyes". Even more, the existing wax could become sticky. You will then have no other alternative but to strip off all coats of sealer and wax with the appropriate remover.

**- Sealer application on Marble, Travertine, Limestone, Cobblestone and Concrete kitchen counter top and vanities**

Application of the MICROTECH PENETRATING SEALER PS400 on a calcareous type surface will probably not give the anticipated result because of the nature of the stone and material as well as the type of protection that is provided by a penetrating or an impregnating sealer.

The penetrating sealer will protect against contaminant infiltration but offers little or no protection against the etching effect of an acidic product upon contact the stone or the concrete surface. The surface will be almost instantaneously etched and this can only be repaired by a mechanical polishing.

**- Sealer application in the course of a renovation project or a new construction.**

During the course of a renovation or a new construction, a sealed surface can be in contact with all kinds of contaminants or materials that will damage it. Assessing that the curing time is fully respected and that the protection is adequate and efficient is mandatory.

For example, badly adjusted or non waterproof cardboards on the floor will not prevent the penetration of contaminants that will ultimately damage the sealer during the course of the project.

More so, absence of adequate protection and/or insufficient curing time and/or installation mal practices will damage the sealer that will only be corrected by its removal and the application of new coats of sealer.

The absence of air circulation caused by more or less waterproof cardboards or plastic sheets with a high level of humidity coming from under the surface and a cool surface temperature will also affect the sealer's integrity and make it sticky or allow grout residues and other contaminants to migrate into the sealer during the course of the project.

Sealer removal and application of new coats of sealer will be necessary to correct the situation.

Therefore evaluation of the current situation should be done before hand to assess the relevancy of the protective measures and the capacity to apply them correctly. All this to avoid restoration work that can prove strenuous compared to leaving the surface unsealed during the course of the renovation or construction and needing to deep clean and seal at the end of the project.

## **METHOD OF APPLICATION**

**New installation:** Apply 1 or 2 coats of sealer (wet on wet) before installation or grouting. Allow 2 to 3 days for sealer to cure before grouting.

After the grout's curing time as per grout manufacturer's recommendation (between 7 and 28 days depending on the type of grout used) apply a final coat of sealer..

Please note that if at that time there is presence of grout residues on the surface, they must be cleaned off before applying the sealer. Any negligence to do so will leave the surface looking grayish and dirty.

**Surface recoating:** Only on surfaces sealed with PENETRATING SEALER – MICROTECH PS400.

-Faint odor

-Facilitates graffiti removal on brick and concrete

**RESTRICTIONS:**

-Full strength protection is achieved only after the 3 to 5 day curing time

**PERFORMANCE:**

-Expected wear in normal conditions 1 to 3 years. Duration subject to traffic and maintenance.

**LIMITATIONS:**

-Regular or high maintenance schedule may be required for heavy traffic areas.

-Low protection for marble and calcareous stones against etching when surface is in contact with acidic products.

**ENVIRONMENTAL DATA:**

-Low VOC: < 20gr/liter

**ACCESSORIES**

-Sponge paint brush

-White nylon scuff pad

**COVERAGE (2 coats)**

10m<sup>2</sup> / 100pi<sup>2</sup> : 946ml

40m<sup>2</sup> / 400pi<sup>2</sup> : 4 liters

May vary with the surface porosity and texture and the method of application

**REMOVER:**

- HEAVY DUTY CLEANER PD1010

**MAINTENANCE:**

-MULTI-SURFACE NEUTRAL FLOOR CLEANER BR110

-GRANITE QUARTZ & MARBLE CLEANER N323

First deep clean surface with HEAVY DUTY CLEANER PD1010. Application of 1 coat of sealer is usually enough.

**Existing Installation:** Cannot be applied on a surface previously sealed with a silicone type sealer.

For surfaces previously sealed with a water based acrylic sealer; use HEAVY DUTY CLEANER PD1010.

For surfaces previously sealed with a water base urethane sealer; use HEAVY DUTY CLEANER PD1010 or MULTI-PURPOSE REMOVER PD2020.

For surfaces sealed with a solvent based acrylic sealer, use the REMOVER for SOLVENT BASED SEALERS PD1350.

## APPLICATION

Apply a thin coat of sealer evenly on the surface with a sponge brush or a white nylon scuff pad TP450.

The surface should remain wet with sealer for 15 to 20 minutes.

Do not allow the sealer to dry during that time. Add more sealer or spread excess sealer on the surface if needed.

After that time, remove excess sealer on the surface and add another coat of sealer. (wet on wet).

Allow penetration for another 15 minutes, making sure surface remains wet at all times. Remove excess sealer and allow 30 minutes to dry.

After that time, make sure there is no accumulation of sealer, on the top edge of the tiles for vertical surfaces, to avoid apparition of streaks running down or in hallows on horizontal surfaces to avoid apparition of rings..

Finally wipe off any apparent sealer on polished surfaces such as metal and glass inserts with a soft dry cloth or a white paper towel to regain original shine.

Sealer will take 72 hours to gain full strength.

## APPLICATION PROBLEMS

**Appearance of a greasy residue on the surface of tiles:** A greasy residue may appear on the surface of tile after the drying period. This is usually due to the presence of excess sealer on the surface.

Main causes are:

- Excess sealer during the application was not wiped off or only partially after the last 30 minute drying time requested.
- Application performed in a cool and not well ventilated area which over extends the drying time.

Corrective measures:

- Wipe the surface with white paper towels until it is completely dry
- Dry scrub the surface with a white scuff pad
- Clean the surface with HEAVY DUTY CLEANER PD1010 using a white scuff pad TP450 and seal the surface again if needed.

**Whitish Appearance on the surface:** A whitish residue may appear on the surface after the drying period. This situation usually occurs when there is presence of excess sealer on the surface.

Main causes are:

- This situation generally occurs when the excess sealer during the application was not wiped off or only partially after the requested drying times.

Corrective measures:

- Scrub the surface with a white or black scuff pad
- Clean the surface with HEAVY DUTY CLEANER PD1010 using a white scuff pad TP450 and seal the surface again if needed.

## SEALER EFFICIENCY VALIDATION

The sealer protection should be adequate for many months. To evaluate if additional coats of sealer are required, put a few drops of water on the surface and wait a few minutes. Afterwards, if the water drops still bead and the color under the drops is not enhanced, than you can conclude that the surface is well protected and doesn't need any additional

<p>coat of sealer. On the opposite, apply an additional coat of sealer as per recoating instructions.</p> <p>A more stringent maintenance care may be required for high traffic areas</p>	
<p><b>HANDLING &amp; STORAGE</b></p> <p>Avoid freezing.</p> <p>Store in original container, well closed, in a dry area at room temperature.</p> <p>Do not waist excess sealer in sewers.</p> <p>Send them to an appropriate recycling center.</p> <p>Shelf life: 2 years in a tight closed container at a temperature between 10 and 30°C (50 and 86°F).</p>	<p><b>CAUTION</b></p> <p><b>MAY IRRITATE EYES</b></p> <p>Do not get in eyes. Do not get on skin or clothing. Keep out of reach of children.</p> <p><b>FIRST AID TREATMENT</b></p> <p>Contains fluorochemicals.</p> <p>If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for 20 minutes with eye lids open. If on skin, rinse well with water.</p>
<p><b>TECHNICAL SUPPORT</b></p> <p>Communicate at <a href="mailto:info@saniten.ca">info@saniten.ca</a> or call 1-866-517-7662.</p> <p>N.B. All information here above is accurate. But having no control over the conditions of utilization of the product, we cannot assume any responsibility, legal or other, in regards of the results and/or any prejudice derived from.</p>	<p>Created January 2017 Revised May 2017</p>