

TRÜNANO™ POLISHED STONE SEALER

Complies with SCAQMD
VOC: Zero g/L
LEED 7 Points CARB

DESCRIPTION

TruNano™ Polished Stone Sealer is a clear, breathable, waterborne sealer designed for use on interior or exterior polished natural stone surfaces, including granite, marble, onyx, quartzite, and serpentine. TruNano™ Polished Stone Sealer is a long lasting barrier that provides superior resistance to water and stains. TruNano™ Polished Stone Sealer does not protect against acid-etching on calcium based stones. See TruNano™ Stone Armor Data Sheet for protection against acid etching and staining on, limestone, travertine and onyx. (Granite, quartzite and serpentine do not etch from food acid therefore would not require TruNano™ Stone Armor)

SURFACE

Polished Granite, Marble, Onyx, Travertine and Serpentine.

SOLUTION

Moisture, and Stains.

MATERIAL RESISTANCE CHART

CHEMICAL	RESULT
Coffee	No Effect
Wine	No Effect
Ketchup	No Effect
Cooking Oil	No Effect

CHARACTERISTICS

Color:	Clear
Finish:	Invisible
Vehicle Type:	Water Base
Flash Point:	None
VOC:	0 g/L
Weight per Gallon:	8.251 lbs.
Breathable	

COVERAGE

Substrate	Sq. Ft./Gal.
Polished Granite and Marble	500-600

NOTE: Coverage will vary depending on the porosity and texture of the substrate. Substrates with high porosity will require more sealer and will cause a lower coverage rate.

EXPECTED WEAR

TruNano™ Polished Stone Sealer will protect the substrate, if properly maintained and provided the surface is not exposed to a highly abrasive atmosphere, for up to 3 to 5 years. It is highly recommended that the substrate be inspected on an annual basis to determine environmental wear on the sealed surface.

SURFACE PREPARATION

SPECIAL NOTE: If using sealer on tile flooring with grout, grout must be cured a minimum of 72 hours prior to sealer application! If sealer is being used on concrete or mortar jointed products, the concrete or mortar must be cured a minimum of 28 days.

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, and other foreign material. Remove all surface contamination by washing with appropriate cleaner and or solvent such as Acetone, rinse thoroughly and allow surface to dry. If surface has been previously sealed with a silicone based sealer then the following cleaning methods must be used.

Silicone Sealer Removal

If the surface has been previously sealed with a silicone sealer, the silicone must be removed entirely. To remove silicone sealers, clean surface with a solution of 80% water and 20% vinegar. Wet surface with water and vinegar solution and let stand 10 minutes. Remove solution and rinse thoroughly with clean water. Flush with fresh clean water. Surface must then be neutralized with a mixture of 50% baking soda and 50% water. Spraying neutralizing solution onto the surface and let stand, then rinse with clean water. Use of a hot water pressure washing system will enhance cleaning application.

NOTE: pH level must be between 7 and 10. The rising moisture vapor emission rate must not exceed 3 pounds per 1,000 square feet (3 lb/1,000 ft²) over a 24-hour period as measured by the calcium chloride test method, ASTM F-1869. Surface measuring equipment can result in a wide variety of results. Tramex Concrete Encounter CME 4 digital moisture meter is recommended with a reading of 3% or below. If using a meter other than the Tramex, rely upon the ASTM F-1869 reading as a cross-reference.

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DATA SHEET

APPLICATION INSTRUCTIONS

Test Area

Due to the wide variety of colors and textures of stone, test TruNano™ Polished Stone Sealer in an inconspicuous location to ensure performance. There should be no enhancement or change in appearance from the natural stone.

CAUTION: If applying outdoors, make certain the ambient temperature is between 45° F and 105° F, and that there is no chance of rain for a minimum of 5 hours after the estimated time of completion of the coating process. Also make certain there will be no additional morning dew to make the surface damp again after it has dried.

Application

Protect surfaces that may need to be repainted, as it will affect the bond of the new paint. Polished Stone Sealer will not harm plants or lawns or put hazardous chemicals into the soil or water. As a general rule, it is best to wipe off overlaps or spills as they occur.

Shake Polished Stone Sealer container for several minutes to re-suspend the nano particles that have settled to the bottom. Make certain to re-shake every 15-20 minutes to ensure proper performance. Use a soft terry cloth type towel to apply (do not use a sponge as this will draw the sealer into the sponge and not allow it to penetrate into the stone). Pour a liberal amount of the sealer onto the surface and, in a circular motion with downward pressure, begin to work the sealer into the surface of the stone and joints with the terry towel. In an effort to force the sealer into all the small pores of the stone, keep working the sealer in until the stone will not accept anymore. Wait 10 minutes and repeat this process until the stone will no longer accept any sealer. Wipe off any excess sealer and puff dry. Do not allow surface to get wet for 24 hours. Allow 7 days for the sealer to fully cure.

DRY TIME

Drying Time (@ 77 F, 50% RH):
Temperature and humidity dependent.
Touch: 30 minutes
Through: 1 Hour
Full Cure: 7 Days






INTERRUPTION OF WORK

Upon drying, treated surfaces appear identical to untreated surfaces. It is possible areas could remain untreated if work is interrupted. It is advisable to stop application on a corner joint or any other obvious marker so the applicator can begin where the application had previously ceased.

CLEAN-UP

Clean tools with warm, soapy water and rinse thoroughly.

CAUTION

-  Always wear OSHA approved 1910.134 and ANSI Z88 2 respiratory protection.
-  Fresh air and exhaust should be provided in the work area. If inhaled, remove affected person to fresh air. Call physician immediately if physical difficulties occur.
-  Wear butyl-rubber gloves and other skin protection to avoid contact. In the event of contact with skin, wash skin thoroughly with soap and water.
-  Chemical safety goggles or splash shields are recommended. Do not wear contacts without eye protection. Immediately flush eyes with water for 15 minutes after contact and get medical attention.
-  If accidentally swallowed, rinse mouth thoroughly. In case of discomfort, obtain immediate medical attention.

CARE & MAINTENANCE

To clean, hose off or wipe with a damp cloth. Mild cleaning solutions can be used for counters or other eating surfaces. Do not use high pressure washers as they will break down the sealer over time. Power washing is generally not necessary, but may be used at a setting of 800 PSI or lower to clean rough or irregular surfaces such as split face block or to clean graffiti. A pistol grip hose nozzle may be adequate but should be tried before power washing.

After 2-3 years, inspection of the sealed surface is recommended. Test for repellency by placing water on the surface. If the water soaks in, clean and dry the surface, then reapply Polished Stone Sealer according to Application Instructions. It is not necessary to strip off existing sealer. New application will cover any areas where sealer has worn away.

For additional information, please call 855.878.6266, or visit our website at www.tru-nano.com