

Data Sheet

Sentry Quick Seal & Enhancer



Description

Sentry Quick Seal & Enhancer is a fast-drying, water repellent sealer designed to enhance the surface and to protect stone, concrete & masonry surfaces from nature's destructive forces, providing a long-lasting barrier which exhibits superior resistance to water, mold, airborne dust and dirt, alkali, freeze/thaw damage and spills. (You can also stain and seal in one step by adding a compatible, powdered, concrete stain right into the sealer).

Surface

- Most Natural and Artificial Stone
- Concrete
- Masonry Products

Solution

- Moisture
- Stains
- Dirt
- Mold
- Surface Enhancement

Characteristics

- **Color:** Clear to slight Amber to Rose (depending on temp and humidity) always dries clear. To add color, use a compatible, powdered, Concrete Stain.
- **Finish:** Enhancing
- **Vehicle Type:** Solvent Base
- **Flash Point:** C Pensky-Martens closed Cup - 20°C (-4°F)
- **VOC:** less than 20 g/liter
- **Weight per Gallon:** 6.7lb/gallon
- **Breathable**

Coverage Surface - Sq. Ft / gal

- Smooth Concrete 500-600
- Broom Finish Concrete 350-450
- Porous Concrete 150-250
- Split Face Block 200-250
- Fluted Block 200-250
- Concrete Block 200-250
- Brick (Clay) 150-300
- Stucco 250-300
- Sandstone, Limestone 250-300
- Flagstone, Concrete Pavers 250-300
- Unglazed Ceramic/Porcelain 400-500
- Travertine, Tumbled Marble 300-400
- Artificial Stone 250-300

Coverage will vary depending on the porosity and texture of the substrate and applicator.

Surface Preparation

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, and other foreign material using [Sentry Step#1 cleaner for Unpainted Surfaces](#). Then rinse with fresh water and allow to dry.

Do not use on painted surfaces. Recommendation: If using a compatible Concrete Stain, it should be mixed into Quick Seal & Enhancer 1 hour before application to ensure the powder stain is completely dissolved into the mixture.

Mix the stain in when you arrive at the job site and set aside while you clean the floor and mask off so it's ready to go. **Remove all existing silicone sealers.** To determine if the surface is sealed with another coating or curing compound, sprinkle water onto surface.

If the water is absorbed and the surface becomes darker, it has not been sealed. If the water beads up there is a coating or sealer that must be removed to allow proper penetration. To remove silicone sealers, clean surface with [Sentry Step#1 Cleaner for Unpainted Surfaces](#). Rinse with fresh water and allow to dry.

New Concrete

For new concrete, the surface needs to be dried to 13% moisture or less using contact meter method and must be cured at least 7 days from the date of pour. All surfaces need to be cleaned. Hard troweled smooth surfaces need to be abraded to 220 grit. A mixture of 50% acetone and 50% water should be used to remove any slurry accumulated in the pores of the surface.

Existing Concrete For existing concrete, the surface must be cleaned of any existing sealers, silicones grease and dirt. To clean and to remove silicone and sealers, clean surface with [Sentry Step#1 Cleaner for Unpainted Surfaces](#).

Rinse with fresh water and allow to dry. Hard troweled smooth surfaces need to be abraded to 220 grit. A mixture of 50% acetone and 50% water should be used to remove any slurry accumulated in the pores of the surface.

Stone For new porous natural or artificial stone, make certain the surface is clean and dry by either lightly

power washing or steam cleaning. Allow to dry to 13% or less moisture content using contact meter method. For existing natural or artificial stone, the surface must be cleaned and stripped of any previous sealers that may contain silicone. Use [Sentry Step#1 Cleaner for Unpainted Surfaces](#). Rinse with fresh water and then allow to dry.

Application Instruction Test Area

Due to the wide variety substrates and the various environments, always test Sentry Quick Seal & Enhancer in an inconspicuous location to ensure adhesion and determine that the desired look is achieved. There will be an enhancement or change in appearance from the natural surface.

Application

Stir the container to suspend the Nano particles that have settled to the bottom. Make certain to stir every 15-20 minutes during the application process suspend the Nano particles to ensure proper performance. This sealer contains acetone to accelerate dry time. Be sure to keep lid on container on to prevent evaporation. Sentry Quick Seal & Enhancer is best applied with an acetone/alcohol proof pump sprayer fitted with a red fan tip.

To apply, hold the fan tip square to the surface being sealed at approximately 10"-12" above the surface. In a circular motion spray with a light mist, do not try and seal the surface in one thick coat as this will cause air bubbles to appear. Apply several light coats approximately 2-3 minutes apart until the desired look is achieved and the surface is sealed.

Extremely porous surfaces may require 3-4 applications or more to seal and enhance. When spraying outdoors, make certain there will be no rain for at least 5 minutes after anticipated completion time. If there is high wind, this will affect the quality of the finish as blowing wind can disrupt the spray pattern from the sprayer and contribute to contamination of the finish. It may be necessary to erect a windscreen to protect the area prior to beginning the coating application.

CAUTION: If using spray application method in an enclosed space, make certain to tent off the area being sprayed with plastic tarps to avoid spray dust from traveling and contaminating other surfaces with over spray dust. Tented and enclosed areas require that they

be positively supplied with fresh air and have ventilated exhaust to outside using fans. Never spray near any open source of ignition such as pilot light, flames, or anything that may spark, as this may cause ignition and explosion of the fumes and vapors

Stain Application If using a compatible Concrete Stain mixed for interior or exterior application, put one bottle of stain into to 3 gallons of Sentry Quick Seal & Enhancer and let sit 1 hour before applying to ensure the stain is completely dissolved into the mixture. This will provide an average color range. More or less stain may be used to achieve desired color effect. Follow the same application Instructions above.

Sentry Concrete Shield Top Coat

To protect the enhanced or stained concrete against food and liquid acid etching, apply a coat of Sentry Concrete Shield as a topcoat. Sentry Concrete Shield is available in gloss or satin finish.

Once desired finish is achieved with Sentry Quick Seal & Enhancer (with or without stain), wait 5 minutes, then lightly go over the surface with a floor machine and white Scotch-Brite pad. Wipe up or vacuum any remaining dust or debris.

Apply Sentry Concrete Shield (see Sentry Concrete Shield Data Sheet for application Instructions). Over unglazed ceramic or porcelain tile apply Sentry Quick Seal & Enhancer and then Sentry Concrete Shield as described.

Dry Time

- Drying Time (@ 77°F, 50% RH): Temperature and humidity dependent.
- Touch: 1-2 minutes
- Through 5 minutes, reapplication
- Concrete Coat: 5 minutes
- Full Cure: 5 minutes

Interruption of Work

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

Clean Up

Clean tools and flush equipment with acetone thoroughly before product dries.

Caution

Always wear OSHA approved 1910.134 and ANSI Z88 2 respiratory protection. Fresh air and exhaust is required in enclosed 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 required. Do not wear contacts without eye protection. Immediately flush eyes with water for 15 minutes and get immediate medical attention. If accidentally swallowed, rinse mouth thoroughly. And obtain immediate medical attention.

In enclosed areas, make sure to have an observer watching the applicator for any signs of physical distress.

Care & Maintenance

Surface can be swept, mopped or hosed down as needed. If additional cleaning measures are needed, use **Sentry Step #3 Safe Clean**. Rinse with fresh water and dry.

Avoid all abrasive cleaners and abrasive pads as they can scratch the surface. If you start to see a wear pattern in high traffic areas you can simply clean and dry, then re-apply directly over the existing Sentry Quick Seal & Enhancer with more Sentry Quick Seal & Enhancer per application instructions.

If you have applied Sentry Concrete Shield over the Sentry Quick Seal & Enhancer and you need to repair worn areas, simply sand that area with 220 grit sandpaper clean and re-apply per application instructions.

Warranty Limited 5 Year

Sentry Molecular Coatings Inc. Sentry Quick Seal & Enhancer to be defect free and any material that is proven to be defective will be replaced in a like quantity by the manufacturer with proof of purchase receipt and

provided it has been applied according to the instructions on container along with other related guidelines posted at SentryMolecularCoatings.com.

This warranty only extends to the owner of the property upon which the product is applied and is non-transferable, any warranty claim must be made in writing and sent to Seller with supporting materials and access to the property for inspection and testing as requested by Seller. Seller will thereafter provide replacement product for product found to be defective for 2 years then prorated for the remaining 3 years from date of purchase. This warranty does not cover wear and tear only defective product. This warranty is given in lieu of all other warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose.

The remedy stated herein is an exclusive remedy and Seller shall not be responsible for any other damages, including labor or any incidental, consequential, special or punitive damages, whether based on breach of express or implied warranty, negligence, strict liability or other legal theory.



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