



QUICK SEAL & ENHANCER DATA SHEET

DESCRIPTION

SDS-Bionic 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 our stain right into the sealer).

SURFACE

For most Natural and Artificial Stone, Concrete, and Masonry Products.

SOLUTION FOR

Moisture, stains, dirt, mold and surface enhancement.

CHARACTERISTICS

Color: Clear or with added SDS Concrete Stain.

Finish: Enhancing

Vehicle Type: Solvent Base

Flash Point: (C Penskey-Martens closed cup)

-20C/-4F CC

VOC: less than 20 g/ltr

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 SoSafe Spay Away Boosted for unpainted surfaces. Then rinse with fresh water and allow to dry. Recommendation: If using SDS Concrete Stain, it needs to be mixed into SDS-Bionic 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 SoSafe Spay Away Boosted 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 and must be cured at least 7 days from the date of pour. All surfaces need to be cleaned and 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 SoSafe Spay Away Boosted for unpainted surfaces. Rinse with fresh water and allow to dry. 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. For existing natural or artificial stone, the surface must be cleaned and stripped of any previous sealers that may contain silicone. Use SoSafe Spay Away Boosted 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 SDS-Bionic 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

Shake the container to re-suspend the nano particles that have settled to the bottom. Make certain to re-shake every 15-20 minutes during the application process re-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.

SDS-Bionic Quick Seal & Enhancer is best applied with an acetone/alcohol proof pump sprayer fitted with a grey or red fan tip. To apply, hold the fan tip square to the surface being sealed at approximately 8" to 10" above the surface. In a sweeping motion, spray the surface in a cross-pattern; left to right, then up and down 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 to 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 overspray 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 (optional)

If using SDS Concrete Stain mix for interior or exterior application, put one bottle of stain into to 3 gallons of SDS-Bionic 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.

SDS Concrete Coat Protection (optional)

To protect the enhanced or stained concrete against food and liquid acid etching, apply a coat of SDS-Bionic Concrete Coat as a topcoat. Concrete Coat is available in gloss or satin finish. Once desired finish is achieved with SDS-Bionic 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 SDS-Bionic Concrete Coat (see SDS-Bionic Concrete Coat Data Sheet for application Instructions).

DRY TIME

Drying Time (@ 77 F, 50% RH): Temperature and humidity dependent.

Touch: 1-2 minutes

Through 5 minutes

Before applying

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.

CARE & MAINTENANCE

Surface can be swept, mopped or hosed down as needed. If additional cleaning measures are needed, use SoSafe Spray Away Concentrate. 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 SDS-Bionic Quick Seal & Enhance with more SDS-Bionic Quick Seal & Enhancer per application instructions. If you have applied SDS Concrete Coat over the SDS-Bionic 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.