

SURFBLOCK SB 12 - 600

PRODUCT CODE: 006-SB126

CONCRETE & MASONRY WATER REPELLENT/IMPREGNATING AGENT

PRODUCT DESCRIPTION

Surfblock SB 12 - 600 VOC is a 12% active solvent-based siloxane/silane water repellent and impregnating agent for porous masonry surfaces such as concrete, block, brick, and unglazed tile. **Surfblock SB 12 - 600 VOC** will penetrate and chemically bond deep within the substrate to provide long lasting protection against deterioration or staining due to water conditions. **Surfblock SB 12 - 600 VOC** will not impair the natural breathing characteristics of treated substrates, nor will it produce a film. **Surfblock SB 12 - 600 VOC** will help concrete and masonry surfaces to resist common issues such as cracking, efflorescence, spalling, staining, and other damages caused by intrusion of water. It also helps protect the surface from damaging effects of water intrusion, acid rain, deicing chemicals and freeze/thaw exposure. Because of the formulation of **Surfblock SB 12 - 600 VOC**, it may be applied to a concrete surface that has been previously coated with cure & seal such as *2500 LV UV*, *2500 LV UV 350*, *Cure & Seal 30 UV*, *Cure & Seal 30 UV 350*, *Luster Shield*, *Luster Shield 350*, *Super Luster Shield*, and *Super Luster Shield 350*. When applying over a floor previously coated with a cure & seal, **Surfblock SB 12 - 600 VOC** should be sprayed and then back rolled over the surface to re-solvate the resin on the concrete, allowing penetration and sealing it off from water and harmful deicers that often cause deterioration of the concrete surface.

BENEFITS/FEATURES

- ◆ Deeply penetrating porous surfaces, it provides superior water repellency, while allowing surface to breathe.
 - ◆ Provides excellent resistance to mold, mildew, and fungus.
 - ◆ Resists damage cause by deicing salts and freeze/thaw cycles.
- ◆ Superior efflorescence and strong alkali resistance compared to common solvent based acrylic sealers.

RECOMMENDED APPLICATIONS

Surfblock SB 12 - 600 VOC is recommended for interior and exterior, horizontal or vertical, porous masonry and concrete surfaces where a deep penetrating, water repellent is specified.

TECHNICAL INFORMATION

Solids.....	12% (active)	Wet Appearance.....	Clear to Slightly Hazy
Drying Time.....	1 - 2 hours	Dry Appearance.....	Clear and Invisible
Re-Coat Time.....	refer to instructions	VOC Content.....	<600 g/l
Foot Traffic.....	8-12 hours	Blush Resistance.....	Excellent
Wheel Traffic.....	24-48 hours	Alkalinity Resistance.....	Excellent
Application Temp.....	50°F - 85°F	Concrete Adhesion.....	Excellent

***Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.

SPECIFICATIONS/COMPLIANCES

“ DRIED COATING IS USDA ACCEPTED

APPROXIMATE COVERAGE RATES

Concrete Surfaces (Pre-cast, pavers, cast-in place, brick, tile)	150-300 ft ²
Fired Clay Surfaces (Brick, tile, terra cotta, pavers)	100-250 ft ²

*Coverage rates vary depending upon surface porosity and texture, and application method. Excessive build up should be avoided.

SHELF LIFE

Surfblock SB 12 - 600 VOC has a shelf life of up to one year in it's original, sealed, unopened container.

PACKAGING

Surfblock SB 12 - 600 VOC is packaged in 1 gallon cans, 5 gallon pails, and 55 gallon drums.

SURFKOAT™

SURFACE KOATINGS, INC.

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WATER REPELLENTS

SURFBLOCK SB 12 - 600

INSTRUCTIONS FOR USE

SURFACE PREPARATION: Prior to surface preparation, protect people, property, automobiles, plants and any other non-masonry surfaces and objects from the material, wind drift, and splash, residue, and fumes of the material. Protecting and diverting pedestrians and automobile traffic is also recommended.

Proper surface preparation is highly important. Use the proper cleaning detergent for the substrate at hand. It is recommended that SurfBlock SB 12 - 600 VOC be applied on a clean, visibly dry and absorbent surface, although it may be ok to apply on a slightly damp surface as well. Please note that excessive moisture inhibits good penetration, which can reduce the life and performance of the coating. Newly constructed and repointed substrates should be fully cleaned and cured 28 days prior to application. Always test for compatibility!

The temperatures of the air and the surface are very pertinent aspects of applying any coating. The minimum temperature of the air and surface must be at least 40° F during application, and for at least 8 hours after. If freezing conditions exist prior to application, it is highly recommended that the substrate be allowed to fully thaw. Should this recommendation not be followed, the product may not yield adequate protective properties. Also, air and surface temperatures should never exceed 85° F.

Proper equipment should be used when applying SurfBlock SB 12 - 600 VOC. A brush, roller, or low pressure sprayer should be used to apply. If using a sprayer, be sure the psi is no greater than 20. Set the sprayer to achieve a good, wet stream, avoiding atomization of the product. Be sure that any container used for mixing or material handling is clean, free of any debris, and uncontaminated.

APPLICATION: Before applying material, please read full technical data sheet for proper preparation, application, and to be sure to follow all safety measures guide lined in this report. Always test any substrate before overall application to ensure desired results. Please test using the following application instructions. Also, let the test area dry completely before final inspection and approval.

HORIZONTAL APPLICATION INSTRUCTIONS: Saturate substrate in a single application with enough material to keep the substrate wet for at least 2-3 minutes before penetration. Broom out puddles until surface is penetrated. Re-apply a second coat. Coated surfaces should dry to touch in approximately one hour. The coated substrate should be protected from weathering conditions for at least 8 hours after application. A neutral pH surface may need several days to achieve full water repellency.

VERTICAL APPLICATION INSTRUCTIONS: For best results, apply SurfBlock SB 12 - 600 VOC "wet-on-wet" to a dry and absorbent surface. When using a sprayer, saturate from the bottom up while applying enough material for a 4"-8" rundown below the spray contact point. Let the first application penetrate the substrate for at least 5-10 minutes. Re-apply the material; less material will be needed for the second application. When using a brush or roller, saturate the surface uniformly, letting SurfBlock SB 12 - 600 VOC penetrate for 5-10 minutes. Brush out heavy runs and drips that show signs of no penetration. Apply second coat for maximum protection.

Cleanup tools, equipment, and any surface or object affected by overspray with xylene or soap and warm water.

Substrates coated with SurfBlock SB 12 - 600 VOC may be coated with silicone emulsion paints and many oil based paints as well although testing is always necessary and recommended to assure proper adhesion. Adhesion may be improved if the surface is pressure washed and allowed to dry prior to application. SurfBlock SB 12 - 600 VOC is not a paint primer. Adhesion of cementitious coatings, stucco, plaster, etc., may be adversely affected. These types of substrate treatments should be installed and allowed to fully cure before applying SurfBlock SB 12 - 600 VOC. Always test to verify compatibility.

PLEASE NOTE: It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc. If applying by spray method, extended coverage rates may be achieved, but be aware that less material will be applied and inadequate film formation or performance expectations may be limited. **CAUTION: Surfblock SB 12 - 600 VOC is highly flammable. Use extreme caution along with plenty ventilation. An approved respirator is required. Avoid ignition sources, flame etc.**

CLEAN-UP

Use Xylene or soap and warm water. Dispose of containers in accordance with local and federal regulations.

PRODUCT REMOVAL

Coating deeply penetrates surface. Removal is not recommended.

PRECAUTIONS AND LIMITATIONS

- ▶ **Surfblock SB 12 - 600 VOC** is highly flammable and should be stored in accordance with local laws.
- ▶ It is recommended to store this product in an area where the temperature is between 50 and 80 degrees F.
- ▶ Do not allow **Surfblock SB 12 - 600 VOC** to be subject to any form of rain or moisture for 18-24 hours after application.
- ▶ Coverage rates depend upon many conditions including application method, surface porosity, applicator, etc.
- ▶ **Surfblock SB 12 - 600 VOC** was designed for a water repellent for porous surfaces. Not intended as a decorative topcoat.
- ▶ **Surfblock SB 12 - 600 VOC** will not keep water out of cracks, defects, or open joints.
- ▶ **Surfblock SB 12 - 600 VOC** should never be thinned or mixed with any form liquid or solvent.
- ▶ Please know that it may take up to 72 hours for **Surfblock SB 12 - 600 VOC** to obtain its water repellency properties.
- ▶ **Surfblock SB 12 - 600 VOC** may slightly darken the surface of many new and existing concrete slabs. Test prior to use.

SPECIAL NOTES

Please consult Material Safety Data Sheet (MSDS) and read Warranty information prior to use. This information can be requested by contacting customer service at 615-323-9461.

FOR PROFESSIONAL USE ONLY! DO NOT DILUTE!

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