



ENHANCER SHIELD WB

breathable penetrating sealer and enhancer

www.SouthernStainAndSeal.com/Enhancer-Shield



Enhances Color



Beads water



ENHANCER SHIELD is an active water-based silicone water repellent and impregnating agent for porous masonry surfaces such as concrete, block, brick, and unglazed tile. CLEAR application that enhances colored and stained concrete, decorative stones, pavers and cementitious overlays with no film build! ENHANCER SHIELD penetrates and chemically bonds deep within the substrate to provide long lasting protection against deterioration or staining due to water conditions. When applied correctly, ENHANCER SHIELD will not impair the natural breathing characteristics of treated substrates, nor will it produce a film. ENHANCER SHIELD will help concrete and masonry surfaces to resist common issues such as cracking, efflorescence, spalling, staining, and other damages caused by intrusion of water. Will not change the feel of the surface, is not slick, and is easily maintained.



Specifications / Compliances

- Dried coating is USDA accepted.
- Meets OTC-Phase I, OTC-Phase II, CARB-2002, CARB-2007, LADCO & SCAQMD VOC restrictions.

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Key Features & Typical Benefits

- Enhances substrates contrasting colors, providing a matte finish
- Deeply penetrating porous surfaces, it provides superior water repellency, while allowing surface to breathe.
- Containing low VOC's and being water based allow for safe application in occupied buildings.
- Provides excellent resistance to biological growth
- Superior efflorescence and strong alkali resistance compared to common solvent based acrylic sealers.
- Contains low VOC content making this product legal for sale to most regions of the US and Canada.

Recommended Applications

Effective on unsealed applications such as...

- Stamped Concrete
- Broom Finish Concrete
- Smooth Trowel Concrete
- Exposed Aggregate Concrete
- Masonry Block
- Fired Clay Brick
- Concrete Pavers
- Concrete walls
- Natural & Artificial Stone

Typical Properties & Technical Information

PROPERTY	VALUE
Dry Time	1 - 2 hours
Dry Time - Foot Traffic	8 hours - 12 hours
Dry Time - Heavy Traffic	24 hours - 48 hours
Re-Coat Time Window	See Instructions
Application Temperature	50° F - 80° F
VOC (Volatile Organic Compound) Content	<100 grams/Liter
Appearance - Wet	Milky White
Appearance - Dry	Clear and Invisible

Testing in accordance with procedures outlined in EPA Method 24, "Volatile Organic Content VOC of Paints and Related Coatings". The solids content was determined in accordance with ASTM D 5095 and the VOC was calculated in accordance with ASTM D 3960.

Enhancer Shield WB

Application Instructions

SURFACE PREP: 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. Surfaces must be free from oils, dirt, dust, grease, curing compounds, other coatings, efflorescence, and laitance before applying to the visibly dry and absorbent surface. Please note that excessive moisture inhibits good penetration, which can reduce the life and performance of the coating.

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 80°F. If at all possible do not apply in direct hot sunlight. Direct sunlight may cause the product to dry too quickly and reduce penetration.

MIXING: Stir ENHANCER SHIELD well before using.

COVERAGE RATE: First Coat : 100 - 300 ft² per gallon* - **DO NOT OVER APPLY OR LEAVE ANY UN-ABSORBED PUDDLES OR DRIPS!**

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

APPLICATION: Proper equipment should be used when applying ENHANCER SHIELD. 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. 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: Apply ENHANCER SHIELD at a rate of 100-300 sq. ft. per gallon depending upon surface type and porosity. Broom out puddles until surface is FULLY penetrated. On less porous substrates, a single saturating coat is usually sufficient. If you determine a second coat is needed on more porous substrates, re-apply a second coat immediately after sheen from first coat has dissipated. Less material may be sufficient for a second coat. Once again, broom out any puddles until material has FULLY penetrated. This is a "wet-on-wet" application which means the second coat MUST be applied immediately after the first coat has penetrated the surface. If the first coat is allowed to dry too long, it will repel any successive coats. Coated surfaces should dry to touch in approximately one hour. The coated substrate should be protected from weathering conditions for at least 24 hours after application. Water and oil repellency should develop within 24 hours. A neutral pH surface may need several days to achieve full water repellency.

VERTICAL APPLICATION INSTRUCTIONS: For best results, apply ENHANCER SHIELD "wet-on-wet" at a rate of 100-300 sq. ft. per gallon depending upon surface type and porosity, 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 5-10 minutes. Re-apply a second coat if needed. Less material will be needed for the second application. This is a "wet-on-wet" application which means the second coat MUST be applied immediately after the first coat has penetrated the surface. If the first coat is allowed to dry too long, it will repel any successive coats. When using a brush or roller, saturate the surface uniformly, allowing ENHANCER SHIELD to penetrate for 5-10 minutes. Brush out any runs, drips or puddles that show signs of no penetration. On porous substrates the second coat is needed for maximum protection.

PLEASE NOTE: It is always recommended to test the product in a small, inconspicuous area (on the same 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 performance expectations may be limited.

Precautions and Limitations

- This product will freeze during storage. Store at temperatures above 40°F.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed.
- Do not allow this product to be subjected to any form of rain or moisture for 24 hours after application.
- It is not recommended to apply product over carpet, tile, or other types of floor adhesives.
- This product should be applied as two coats, not one heavy coat.
- This product was designed for a water repellent for porous surfaces. Not intended as a decorative top coat.
- Please know that it may take up to 72 hours for this product to obtain its full water repellency properties.
- It is not recommended to thin product more than 50%
- This product may darken the surface of many new and existing concrete slabs. Test prior to use.
- Adhesion of cementitious coatings, stucco, plaster, etc., may be adversely affected.
- This product will not keep water out of cracks, defects, or open joints.

CLEAN-UP: Use soap and warm water. Dispose of containers in accordance with local, state and federal regulations.

PRODUCT REMOVAL: Coating deeply penetrates surfaces and removal is not recommended. If over application occurs, excess dried product can often be removed by applying mineral spirits. Allow mineral spirits to dwell on the surface until material is softened, then remove by wiping, scrubbing or pressure washing. Always test in an inconspicuous area before proceeding! Applying solvent may damage some surfaces and will affect appearance and performance of sealed surfaces.

SHELF LIFE: Up to one year from manufacture date in its original, unopened container stored at room temperature.

PACKAGING: Available in 1 gallon, 5 gallon and 55 gallon containers.

Always read all technical information, label and SDS prior to use. This information can be found online or by calling customer service at the number below.