

ARMOR SX5000 WB

A Foundation Armor Product

Penetrating Clear Water-Based Silane-Siloxane Concrete & Masonry Sealer, Water Repellent, Salt Guard

PRODUCT DESCRIPTION

Armor SX5000 WB is a water-based Silane-Siloxane water repellent and impregnating agent for porous masonry surfaces such as concrete, block, brick, and unglazed tile. **Armor SX5000 WB** will penetrate and chemically bond deep within the substrate to provide long lasting protection against deterioration or staining due to water conditions. **Armor SX5000 WB** will not impair the natural breathing characteristics of treated substrates, nor will it produce a film. **Armor SX5000 WB** will help concrete and masonry surfaces to resist common issues such as cracking, efflorescence, spalling, staining, and other damages caused by intrusion of water.

BENEFITS/FEATURES

- ◆ Deeply penetrating porous surfaces, it provides superior water repellancy, while allowing surface to breathe.
 - ◆ Provides excellent resistance to mold, mildew, and fungus.
- ◆ Containing low VOC's and being solvent free allow for safe application in occupied buildings.
- ◆ Superior efflorescence and strong alkali resistance. Won't peel, chip, flake or fade (not a coating).

RECOMMENDED APPLICATIONS

Armor SX5000 WB is recommended for interior and exterior, horizontal or vertical, porous masonry and concrete surfaces where a deep penetrating, water based water repellent is specified.

TECHNICAL INFORMATION

Solids.....	10% (active)	Wet Appearance.....	Milky White
Drying Time.....	1 - 2 hours	Dry Appearance.....	Clear and Invisible
Re-Coat Time.....	refer to instructions	VOC Content.....	<0 g/l
Foot Traffic.....	8-12 hours	Blush Resistance.....	Good
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

Armor SX5000 WB has a shelf life of up to one year in it's original, sealed, unopened container.

PACKAGING

Armor SX5000 WB is packaged in 1 gallon bottles, 5 gallon pails, and 55 gallon drums.

FOUNDATION ARMOR

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Visit us online at: www.FoundationArmor.com

WATER REPELLENTS

ARMOR SX5000 WB

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 Armor SX5000 WB 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 Degrees Fahrenheit 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 Silane-Siloxane can freeze causing poor penetration and significantly impairing the results of the application. Also, air and surface temperatures should never exceed 95 Degrees Fahrenheit. Temperatures at the height will evaporate the water carrier and reduce the penetration as well.

Proper equipment should be used when applying Armor SX5000 WB. 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 and MSDS 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: By roller, apply Armor SX5000 WB at a rate of 100-300 square feet per gallon depending upon surface type and porosity. Broom out puddles until surface is penetrated. Re-apply a second coat while the first coat is still wet. Sealed surfaces should dry to touch in approximately one hour.

VERTICAL APPLICATION INSTRUCTIONS: For best results, apply Armor SX5000 WB "wet-on-wet" at a rate of 100-300 square feet 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 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, allowing Armor SX5000 WB to penetrate for 5-10 minutes. Brush out heavy runs and drips that show signs of no penetration. The second coat is recommended for maximum protection.

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

Substrates coated with Armor SX5000 WB can be coated with silicone emulsion paints and many oil based paints as well. 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. Armor SX5000 WB 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 Armor SX5000 WB. Always test to verify compatibility.

The coated substrate should be protected from weathering conditions for at least 24 hours after application. A neutral pH surface may need several days to achieve full water repellency.

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.

CLEAN-UP

Use 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

- ▶ **Armor SX5000 WB** will freeze during storage. Do not store in areas where temperatures will drop below 32 degrees F.
- ▶ It is recommended to store this product in an area where the temperature is between 50 and 80 degrees F.
- ▶ Do not allow **Armor SX5000 WB** to be subject to any form of rain or moisture for 18-24 hours after application.
- ▶ It is recommended to apply **Armor SX5000 WB** over unsealed concrete only.
- ▶ Coverage rates depend upon many conditions including application method, surface porosity, applicator, ect.
- ▶ **Armor SX5000 WB** was designed for a water repellent for porous surfaces. Not intended as a decorative topcoat.
- ▶ **Armor SX5000 WB** will not keep water out of cracks, defects, or open joints.
- ▶ **Armor SX5000 WB** should never be thinned or mixed with any form liquid or solvent.
- ▶ Please know that it may take up to 72 hours for **Armor SX5000 WB** to obtain its water repellancy properties.
- ▶ **Armor SX5000 WB** 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 866-306-0246.

FOR PROFESSIONAL USE ONLY! DO NOT DILUTE!

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