



# Armor SX5000 DOT Approved Silane Siloxane Water Repellent Sealer

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For Professional Use

## PRODUCT DESCRIPTION

The Armor SX5000 is a Department of Transportation approved solvent-based Silane-Siloxane water repellent sealer that penetrates deep into the concrete surface where it chemically reacts to form a hydrophobic barrier within the pores. Surfaces sealed with the Armor SX5000 are more resistant to the damaging effects of water absorption, such as cracking, spalling, pitting, freeze thaw and salt damage, staining, mold and mildew, and efflorescence. It can be applied to interior and exterior, vertical and horizontal unsealed surfaces.

## BENEFITS/FEATURES

- ◆ Contains up to 5X more active ingredients than similar products
- ◆ Will maintain the natural, unsealed look and feel of the substrate
- ◆ Will provide up to 7-10 years of life before the need for a recoat
- ◆ Breathable, won't trap subsurface moisture
- ◆ Will reduce deterioration caused by water absorption such as cracking, spalling, pitting, staining
- ◆ Will reduce the formation of mold and mildew
- ◆ Will reduce freeze-thaw and salt damage
- ◆ Will reduce the movement of moisture through the concrete pores
- ◆ Is approved by the Department of Transportation as a water repellent sealer in several states

## SUGGESTED APPLICATIONS

- ◆ Poured, broom finished, and troweled concrete.
- ◆ Pavers and brick.
- ◆ Aggregate and natural stone.
- ◆ Driveways, walkways, and stairs.
- ◆ Pool decks and patios.
- ◆ Garage, warehouse, and basement floors and walls.
- ◆ Car ports, pole barns, retail and restaurant floors.

## TECHNICAL INFORMATION

Solids.....	12%	Wet Appearance.....	Clear
Drying Time.....	1-2 hours	Dry Appearance.....	Invisible
Re-Coat Time.....	0-24 hours	VOC Content.....	< 400 g/L
Foot Traffic.....	8-12 hours		
Wheel Traffic.....	24 - 48 hours		
Application Temp.....	55°F - 85°F		

## COVERAGE

Porous Surfaces: Up to 175 FT<sup>2</sup>/gallon in one coat.  
Smooth Surfaces (once properly prepped): Up to 200-225 FT<sup>2</sup>/gallon in one coat.

Coverage will vary depending on porosity, surface condition, application method, and the amount of material applied by the applicator. The above coverage rates are estimates and will vary. Two coats are suggested for even coverage and appearance.

## COMPLIANCES

- ◆ Dried coating is USDA accepted

## SHELF LIFE

When properly sealed and stored, the shelf life of the Armor SX5000 is up to 1 year.

## PACKAGING

The Armor SX5000 is available in a 16 OZ Sample, 1 Gallon Bottle, 5 Gallon Pail, and 55 Gallon Drum.

## APPLICATION INSTRUCTIONS

### Surface Preparation:

The Armor SX5000 should be applied to a completely clean and dry surface. If the surface was cleaned with water or pressure washed prior to application, allow the surface to dry for at least 24 hours before sealing. While the surface may appear dry and feel dry to touch, water below the surface trapped in the pores can cause the same issues. While pressure washing the surface is typically sufficient, spot treatment may be necessary for deep or older stains. If the surface is smooth troweled, or does not easily accept water, acid etching may be required prior to applying sealer. It is always suggested to apply the Armor SX5000 to a test area to verify absorption, coverage, compatibility, and project suitability.

The Armor SX5000 is designed specifically for unsealed concrete and masonry surfaces. Do not apply this product over a surface recently sealed with a water repellent sealer, or previously sealed with a film-forming sealer or coating.

### Application:

A solvent resistant commercial pump sprayer is recommended to achieve the best coverage and results. Be sure the psi is no greater than 20. Use a .3-.5 GPM adjustable cone tip.

Apply the first coat of Armor SX5000, ensuring the entire surface is evenly saturated. Broom out puddles until surface is penetrated. Second coat can be applied while the first coat is still wet, or after surface appears dry.

Substrates sealed with Armor SX5000 may be coated with silicone emulsion paints and many oil based paints once the surface has had 72 hours to dry. 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 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. Always test to verify compatibility.

### Time of Day

The temperature of the air and surface must be 55-85 degrees F during application. 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.

Once applied, the surface should be kept dry for at least 24 hours.

### Clean-Up

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

### Product Removal

Armor SX5000 penetrates deep into to the surface. Removal is not recommended.

## PRECAUTIONS AND LIMITATIONS

- ◆ Product is designed for fully cured concrete. Concrete must be a minimum of 28 days old before applying product.
- ◆ Do not apply over floor adhesives, paints, coatings, sealers. This product is designed for unsealed surfaces.
- ◆ Coverage rates depend upon many conditions including application method, surface porosity, and applicator.
- ◆ Sealer is not resistant to brake fluid, gasoline, and many other similar products.
- ◆ Sealer will not stop surface stains as the surface of the substrate is fully exposed.
- ◆ Do not dilute or thin sealer with any products.
- ◆ Store product in an area where the temperature is between 55-80 degrees F, and not in direct sunlight.
- ◆ If applying sealer to pavers less than one year old, verify with paver manufacturer that pavers are able to be sealed. Sealing before suggested guidelines can result in sealer failure.
- ◆ Proper personal protective equipment should be worn when applying this product. Refer to the Safety Data Sheet prior to application.
- ◆ Properly protect and cover any areas not intended or suggested to be sealed during application.
- ◆ When applying, odors are strong. Area should be properly ventilated during the time of application, and for at least 7 days after application, to allow for the solvents to fully release and the odors to dissipate.
- ◆ HVAC ducts should be blocked to avoid distribution of solvents and odors. Extinguish any pilot lights or other sources of ignition prior to starting.
- ◆ Foundation Armor also offers no guarantee, warranty or other claims to the success or results of a job or project.
- ◆ Surface water beading will not occur on all surfaces. While some surfaces may experience an instantaneous bead, others won't experience a surface water bead at all. Surface water bead is not a sealer benefit, and is not an indicator that the sealer is or isn't working.
- ◆ In all cases, refer to the Safety Data Sheet prior to application for complete health and safety information. Do not swallow, avoid direct contact with skin, avoid inhalation, keep out of reach of children and pets.
- ◆ The applicator is responsible for suitability of application, and the results of the application. We suggest applying to a test area first to verify compatibility, absorption, coverage rate, and project suitability. Applicator is also responsible for ensuring product meets local VOC regulations, and any and all other regulations that may apply.
- ◆ Product is not returnable once opened or used so please consider purchasing a 16 ounce sample to test product before purchasing larger quantities.