



Armor SC25 Siliconate Water Repellent Sealer

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For Professional Use

PRODUCT DESCRIPTION

The Armor SC25 is a high solids, water based Siliconate 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 SC25 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 surfaces. Product should only be used on unsealed white or very light concrete.

BENEFITS/FEATURES

- ◆ Will maintain the natural, unsealed look and feel of the substrate
- ◆ Will provide up to 3-5 years of life before the need for a recoat
- ◆ Breathable, low VOC.
- ◆ 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
- ◆ Cost effective—requires only 1 coat

SUGGESTED APPLICATIONS

- ◆ Poured, broom finished, and troweled concrete.
- ◆ 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.....	+/- 20%	Wet Appearance.....	Clear
Drying Time.....	1-2 hours	Dry Appearance.....	Invisible
Re-Coat Time.....	no recoat	VOC Content.....	<0 g/l
Foot Traffic.....	12-24 hours	Blush Resistance.....	Good
Wheel Traffic.....	24 - 48 hours	Alkalinity Resistance.....	Excellent
Application Temp.....	45°F - 85°F	Concrete Adhesion.....	Excellent

COVERAGE

Porous Surfaces: Up to 175 FT²/gallon in one coat.
Smooth Surfaces (once properly prepped): Up to 200-225 FT²/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. Single coat application.

COMPLIANCES

Can be applied to new concrete after all bleed water is gone, and surface can be walked on without marking.

SHELF LIFE

When properly sealed and stored, the shelf life of the Armor SC25 is up to 1 year.

PACKAGING

The Armor SC25 is available in a 16 OZ Sample, 1 Gallon Bottle, 5 Gallon Pail, and 55 Gallon Drum.

APPLICATION INSTRUCTIONS

APPLICATION:

The Armor SC25 should be applied with a HVLP pump sprayer. For best results, avoid applying with a roller. Apply one single consistent coat, do not puddle. Do not attempt to apply a second coat. The Armor SC25 is fast-acting and will prevent additional material from being absorbed into the surface. If you feel you have underapplied the product, please contact a Foundation Armor technician.

Time of Day

To allow for proper absorption and reaction, the Armor SC25 should only be applied in the early evening (around 5 PM or later) when air and surface temperatures are declining, and when the sun is no longer positioned over the surface.

Surface Preparation

The Armor SC25 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 SC25 to a test area to verify absorption, coverage, compatibility, and project suitability.

The Armor SC25 is designed specifically for unsealed white or light concrete 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.

The Armor SC25 is designed specifically to be used on unsealed white or very light concrete. It can't be applied to surfaces recently applied with a water repellent sealer, or surfaces previously sealed with a film-forming sealer or coating. It can't be applied to medium to dark gray concrete, colored concrete, brick, exposed aggregate concrete, slate, flagstone, masonry, or anything other than white or very light concrete. Applying the Armor SC25 outside of the suggested application will result in the formation of white crystals on the surface.

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.

CLEAN-UP

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

PRODUCT REMOVAL

Armor SC25 penetrates deep into to the surface. Removal is not recommended.

PRECAUTIONS AND LIMITATIONS

- ◆ Should be stored and disposed of in accordance with local laws.
- ◆ It is recommended to store this product in an area where the temperature is between 45-85 degrees F. Do not allow to freeze.
- ◆ Do not allow sealer to be subject to any form of rain or moisture for at least 24 hours after application.
- ◆ Coverage rates depend upon many conditions including application method, surface porosity, applicator, etc.
- ◆ Sealer was designed for a water repellent for porous surfaces. Not intended as a decorative topcoat.
- ◆ Sealer will not keep water out of cracks, defects, or open joints.
- ◆ Sealer should never be thinned or mixed with any form liquid or solvent.
- ◆ Sealer is not resistant to brake fluid, gasoline, or other similar products.
- ◆ Sealer is designed for white or very light concrete surfaces only. If you attempt to apply this product onto medium to dark concrete surfaces, pavers, natural stone, or bricks, white crystals will form on the surface.
- ◆ Do not apply this product in the morning or mid-day.
- ◆ Do not apply this product to surfaces that currently have or previously had a film-building sealer/coating on the surface.
- ◆ It is recommended to wear the proper personal protective equipment when applying this product.
- ◆ Properly protect and cover any areas not intended or suggested to be sealed during application.

CONTACT

Still have questions? Contact a Foundation Armor Technician at 866-306-0246.