



Armor SC25 Siliconate Water Repellent Sealer

Foundation Armor
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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.

BENEFITS/FEATURES

- ◆ Will maintain the natural, unsealed look and feel of the substrate
- ◆ Will provide up to 10 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 heavy 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.....	2-24 hours	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 Substrates	125-175 ft ² /gallon in one coat.
Dense, Trowel Finished Substrates	250-350 ft ² /gallon in one coat.

The average coverage rate is 175 FT²/gallon in one coat. Coverage rates will vary depending upon surface porosity and texture, and application method. Excessive build up should be avoided.

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

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. Proper surface preparation is highly important. Use the proper cleaning detergent for the substrate at hand. It is recommended that Armor SC25 be applied on a clean, dry and absorbent surface. Please note that excessive moisture inhibits good penetration, which can reduce the life and performance of the coating. Always test for compatibility before applying. Please test using the following application instructions. It is important to let the test area dry completely before final inspection and approval.

The temperature of the air and surface must be 45-85 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.

Proper equipment should be used when applying Armor SC25. A brush, roller, or low pressure pump 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.

APPLICATION:

Using a pump sprayer or roller, apply first coat of Armor SC25, ensuring the entire surface is evenly saturated. Broom out puddles until surface is penetrated. Do not attempt to apply a second coat, it will not be able to penetrate through the first coat of the SC25.

- Only seal concrete that has a uniformly dry surface with no damp patches. Do not apply if it is expected to rain within 24 hours of applying sealer.
- The sealed 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.

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.

CONTACT

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