



Armor WL550

Penetrating Matte Enhancer Sealer

Foundation Armor
10 Howe Drive
Amherst, NH 03031
(866) 306-0246
FoundationArmor.com
For Professional Use

PRODUCT DESCRIPTION

The Armor WL550 is a solvent-based silicone water repellent sealer designed to slightly enhance and protect unsealed concrete, brick, stone, and masonry. It slightly darkens the surface without leaving behind a visible surface film. The Armor WL550 will help to reduce damage and deterioration caused by water absorption such as cracking, spalling, and pitting. The Armor WL550 is a fantastic sealer for unsealed concrete, masonry, and natural stone surfaces where protection and a slight color enhancement are desired.

BENEFITS/FEATURES

- ◆ Will slightly enhance the natural coloring of the substrate
- ◆ Will not leave a surface film or coating
- ◆ Will reduce deterioration caused by water absorption such as cracking, spalling, pitting, staining
- ◆ Will reduce the formation of mold and mildew
- ◆ Will reduce damage caused by water absorption from the use of de-icing salts and from freeze thaw cycles

SUGGESTED APPLICATIONS

- ◆ Some concrete
- ◆ Brick, Pavers
- ◆ Natural stone
- ◆ Travertine tile, flagstone, slate, bluestone
- ◆ Driveways, walkways, and stairs
- ◆ Pool decks and patios

TECHNICAL INFORMATION

Solids.....	Proprietary	Wet Appearance.....	Clear
Drying Time.....	1-2 hours	Dry Appearance.....	Invisible
Re- Coat Time.....	wet on wet	VOC Content.....	<350 VOC
Foot Traffic.....	12-24 hours		
Wheel Traffic.....	24 - 48 hours		
Application Temp.....	55°F - 85°F		

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 suggested.

COMPLIANCES

- ◆ Meets OTC, CARB, LADCO & SCAQMD VOC restrictions
- ◆ Meets US EPA AIM VOC content limit of 600 g/L for Waterproofing Sealers & Treatments

SHELF LIFE

When properly sealed and stored, the shelf life of the Armor WL550 is up to 1 year.

PACKAGING

The Armor WL550 is available in a 16 OZ Sample, 1 Gallon Bottle, 5 Gallon Pail, and 55 Gallon Drum.

APPLICATION INSTRUCTIONS

Surface Preparation:

The Armor WL550 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.

The Armor WL550 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:

An acetone-resistant commercial pump sprayer is recommend to achieve 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 WL550, ensuring the entire surface is evenly saturated. Broom out puddles until surface is penetrated. In some cases, when sealing natural stone, a single coat may be sufficient. For porous substrates, or if you notice an inconsistent wet look, additional coats can be applied. Additional coats can be applied while the previous coat is still wet, or after surface appears dry. DO NOT allow the material to build on the surface. If a film has formed on the surface, that means the product was over-applied.

Substrates sealed with Armor WL550 may be coated with a solvent based acrylic sealer once the surface has had 72 hours to dry.

Please note, this product is designed to offer a slight color enhancement on surfaces with variations in color and texture. This product is not designed to offer a dramatic, consistent color enhancement and should not be used on overly porous or uncolored concrete surfaces. For a dramatic, consistent color enhancement, consider the Armor AR350 or Armor AR500 instead. ALWAYS apply to a test area first to ensure this product is appropriate for your application. 16 OZ samples are available online.

Time of Day

The temperature of the air and surface must be 55-85 degrees F during application. It should only be applied in the early evening when air and surface temperatures are declining, and when the sun is no longer positioned over the surface. To avoid application issues, do not apply in the morning or middle of the day.

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

Clean-Up

Use xylene or acetone. Dispose of containers in accordance with local and federal regulations.

Product Removal

Armor WL550 penetrates deep into to the surface. Removal is not recommended.

PRECAUTIONS AND LIMITATIONS

- ◆ This is a penetrating sealer and is designed to slightly enhance the color of concrete, pavers, brick, and natural stone. In order to get a consistent color enhancement, an appropriate amount of material must be applied or you will get an inconsistent color enhancement. This product is thinner than water and certain substrates (like pavers) may experience little to no color enhancement. If after applying to a test area you determine you need more color enhancement, consider the use of an acrylic coating, like the Armor AR350 or Armor AR500. The Armor AR350 and Armor AR500 are designed to offer a dramatic color enhancement on concrete and concrete paver surfaces. If you have already applied the Armor WL550 to concrete or concrete pavers and need more of an enhancement, the Armor AR350 and Armor AR500 can be applied over surfaces previously sealed with the Armor WL550.
- ◆ 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, dyes, powder release dyes, stains, sealers, etc. This product is designed for unsealed and untreated surfaces ONLY.
- ◆ When applying around a pool or pool deck, or any other area where contaminated water or liquids come into contact with the substrate (such as salt water, chlorinated water, cleaning chemicals, chemicals, oils, gas, etc.) it is important to make sure that there is absolutely nothing on the surface or in the pores of the substrate during the time of application, and while curing.
- ◆ Do not over apply. This product is a penetrating sealer and should not leave a surface film or coating. If a surface film or coating is visible after applying, it is a clear sign that the product has been over applied, or applied over another sealer or coating. Over application can result in hazing (white spots) and delamination.
- ◆ We do not suggest applying to pavers less than 1 year old. 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.
- ◆ 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.
- ◆ Properly protect and cover any areas not intended or suggested to be sealed during application.
- ◆ Foundation Armor offers no guarantee, warranty or other claims to the success or results of a job or project. 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.
- ◆ 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. To know if the sealer has been properly applied and is working to its full potential, you will notice that water puddles on the surface and takes longer to absorb into the surface.
 - ◆ How to tell if it is time to re-seal: While the sealer can work below the surface for up to 5-7 years, the surface of the substrate may need to be resealed sooner. If you notice water no longer puddles on the surface, or that the substrate instantly absorbs water, a touch-up coat should be applied. If the substrate is exposed to harsh winters, recoats may be necessary sooner. Lastly, if you notice the color enhancement has faded, a touch-up can be applied to rejuvenate it.
- ◆ This is a penetrating sealer which means the surface of the concrete is still exposed. It is simply designed to reduce damage and deterioration caused by water absorption.
- ◆ This sealer can reduce damage and deterioration caused by the use of most de-icing salts, but harsh de-icing salts should be avoided. You should always test the de-icing salt on your concrete before using. De-icing salts turn ice into water, and this sealer will help to reduce the absorption of that water. The surface of the substrate is still exposed however and some de-icing salts, such as de-icing salts containing magnesium chloride, can eat away at the surface of the concrete. To preserve the life of your concrete we suggest testing a gentle de-icing salts designed for use on concrete and masonry, or the use of sand.
- ◆ This product is not designed for substrates without a variation in color such as broom finished concrete, poured concrete, or trowel finished concrete.
- ◆ In all cases, refer to the Safety Data Sheet on FoundationArmor.com 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. Proper personal protective equipment should be worn when applying this product.
- ◆ 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.
- ◆ Product is HAZMAT and is not returnable. Please consider purchasing a 16 ounce sample to test product before purchasing larger quantities.
- ◆ The Technical Data Sheet may change from time to time. Please visit FoundationArmor.com prior to applying and verify you are using the most up-to-date version.