



# Armor AR500 Wet Look/High Gloss Acrylic Sealer

50 VOC

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For Professional Use

## PRODUCT DESCRIPTION

The Armor AR500 is a solvent-based high gloss pure acrylic sealer designed to seal, enhance, and protect concrete and concrete pavers. It will darken the surface to enhance any dull and faded coloring, and protect the surface with a durable high gloss surface film. The Armor AR500 is a fantastic choice for driveways, walkways, patios, pool decks, and more!

## BENEFITS/FEATURES

- ◆ Breathable, UV resistant
- ◆ Reduces deterioration caused by surface abrasion
- ◆ Reduces the formation of mold, mildew, and algae
- ◆ Reduces surface stains
- ◆ Easy to apply, maintain, and recoat
- ◆ Made from US Manufactured non-recycled resins
- ◆ Will darken the surface to make it look wet
- ◆ Can be applied to unsealed surfaces, and surfaces previously sealed with a solvent based acrylic sealer

## SUGGESTED APPLICATIONS

- ◆ Poured, broom finished, and stamped concrete.
- ◆ Concrete pavers.
- ◆ Exposed aggregate concrete.
- ◆ Driveways, walkways, and stairs.
- ◆ Pool decks and patios.
- ◆ Garage, warehouse, and basement floors.
- ◆ Car ports, pole barns, retail and restaurant floors.

## TECHNICAL INFORMATION

Solids.....	25%	Wet Appearance.....	Clear
Drying Time.....	4-6 hours	Dry Appearance.....	High gloss
Re-Coat Time.....	24 hours	VOC Content.....	<50 VOC
Foot Traffic.....	24 hours	Blush Resistance.....	Good
Wheel Traffic.....	24 - 48 hours	Solvent Resistance.....	Minimal
Application Temp.....	55°F - 85°F	Concrete Adhesion.....	Excellent

## 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.

## SHELF LIFE

When properly sealed and stored, the shelf life of the Armor AR500 is up to 1 year.

## PACKAGING

The Armor AR500 is available in a 16 OZ Sample, 1 Gallon Bottle, 5 Gallon Pail, and 55 Gallon Drum.

## CONTACT

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

# APPLICATION INSTRUCTIONS

The Armor AR500 can be applied with a 3/8-1/2" nap roller, or a solvent resistant commercial pump sprayer. For a consistent wet look and high gloss finish, apply two coats spaced 24 hours apart.

## Time Of Day

The Armor AR500 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 bubbling and hazing, do not apply in the morning or middle of the day.

## Surface Preparation

The Armor AR500 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 pressure washing the surface is typically sufficient, spot treatment may be necessary for deep or older stains.

The Armor AR500 is designed specifically for use on unsealed concrete and concrete paver surfaces, as well as concrete and concrete pavers previously sealed with a solvent based acrylic. If the concrete is smooth or trowel finished, and doesn't quickly and easily absorb water, other surface preparation may be required to open up the surface pores, such as acid etching or grinding. If applying over a surface with a water based acrylic, or old, degrading solvent based acrylic, remove the current coating with the Armor CR100 prior to applying the Armor AR500.

The Armor AR500 should not be used to seal clay brick, red Chicago pavers, flagstone, slate, or natural stone. If you are looking to seal clay brick, red Chicago pavers, flagstone, slate, or natural stone, consider instead of the Armor WL550 or the Armor SX5000 WB.

## Note About Sealing Pavers:

Please note, while the Armor AR500 can be applied over paver joints, it is not designed as a bonding agent and will not harden or bond the loose sand in the paver joints. If applying with a roller, loose sand in the joints may cling to the roller and be redistributed across the pavers. For best results, apply first coat with a sprayer if you are applying to pavers with loose sand in the paver joints.

When applying to porous pavers, gloss level may be reduced, and more material may be required to achieve desired finish.

## Note About Applying the 50 VOC Formulation:

If you are using the 50 VOC formula, please note that due to the low VOC formulation, the working time with the product is reduced significantly. You will need to work fast, and in small sections. It is also important to avoid over-rolling the product. You must keep the roller heavily saturated to prevent the material from setting up as you are rolling. If you don't keep the roller saturated, or if you over-roll, the material will start to set up and become tacky and stringy in texture. If the product is drying too fast and you need more working time, you can add up to 6 ounces of acetone per gallon of sealer and mix well.

**Mixing Opaque Color Packs:** Do not exceed more than 6 ounces of color per gallon of sealer. Stir color well before adding to sealer, then once added to sealer, stir again, ensuring color is evenly mixed. Once cured, will cover like a paint—you will be left with an opaque colored finish.

**Mixing Semi-Transparent Color Packs:** Do not exceed more than 1 ounce of color per gallon of sealer. Stir color well before adding to sealer, then once added to sealer, stir again, ensuring color is evenly mixed. Once cured, will offer a semi-transparent tinted finish.

**Adding Non-Slip:** For added surface traction, the Armor Non-Slip additive can be added. The ultra-fine, fine, and coarse Armor Non-Slip additives works best in the Armor AR500. Applying the Ultra-Fine: Slowly drill mix 3-6.5 ounces of non-slip additive per gallon of sealer, until completely blended, then apply. For Fine and Coarse: When applying the second coat, add the non-slip additive to the coating using a broadcast spreader, and back roll to encapsulate the non-slip additive.

## Clean-Up

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

## Product Removal

Dried, cured sealer may be removed with a the Armor CR100, or by using a diamond grinding method, sandblasting method or similar mechanical action.

# PRECAUTIONS AND LIMITATIONS

- ◆ 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 designed for fully cured concrete. Concrete must be a minimum of 28 days old before applying product.
- ◆ Coverage rates depend upon many conditions including application method, surface porosity, and applicator.
- ◆ Please be aware that this product when cured may be slippery when wet. We suggest a non-slip additive where slipperiness is a concern.
- ◆ Sealer is not resistant to brake fluid, gasoline, and many other similar products.
- ◆ Do not dilute or thin sealer with any products.
- ◆ White spots (blushing) and premature delamination or failure may occur if applied to wet surfaces, surfaces with moisture issues, or surfaces that get wet before the sealer has fully cured. Do not apply in early morning if morning dew is present.
- ◆ Do not apply in the morning or middle of the day to avoid hazing and bubbling.
- ◆ Store product in an area where the temperature is between 55-80 degrees F, and not in direct sunlight. Keep away from open flames, sparks, or other sources of ignition.
- ◆ 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 coating 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.
- ◆ Do not apply over sealers, water based acrylics, acrylic latex, paint, or any other film-forming coating other than a solvent based acrylic. If the solvent based acrylic is deteriorating, repair or remove prior to application. Apply to a test area before sealing to verify compatibility.
- ◆ This product does not stop hot tire pickup or tire marks.
- ◆ Plasticizers in rubber mats and rubber based materials may react and bond to cured coating.
- ◆ 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.
- ◆ 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. 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.