



Heavy Duty Protective Coatings

AZ-Series
Cote-All

Universal Alkyd Primer



Technical Data

PRODUCT DESCRIPTION

An Interior/Exterior, rust inhibitive, medium oil, alkyd primer formulated for use in mild to moderate industrial environments. Cote-All Primer is also used as a barrier coat over most tightly adhering coatings and tightly adhering rusted surfaces. Can be topcoated with a wide variety of topcoats (see *Recommended Topcoats*). VOC compliant. Lead and Chromate free.

INTENDED USES

Ideal for use on properly prepared bare structural steel, steel storage tanks, equipment or previously coated substrates in sound condition. Excellent all-purpose maintenance primer in the petroleum, food & beverage, ag chem and architectural commercial industries. These are typical uses and not intended to limit the use of this product.

PHYSICAL PROPERTIES

Color	Gray AZ-0400, White AZ-1400, Red AZ-5400
Finish/Sheen	5 - 10 @ 60°
Resin Type	Phenolic Alkyd
Clean-up Solvents	Mineral Spirits or Diamond Vogel N-3023 Xylol
Solids By Weight	67%
Solids by Volume	42%
Theoretical Coverage**	680 ft ² /gal @ 1 mil
Dry Film Thickness / Coat	2 - 3 mils (50 - 75 microns)
Wet Film to Achieve DFT	4.75 - 7 mils (117.75 - 175 microns)
Coverage at DFT**	226 - 340 ft ² /gal @ 2 - 3 mils DFT
VOC's	3.75 lbs./gal. (450 grams/liter)
Thinning	DO NOT THIN
Service Temperature Limit	200°F (93°C)

Drying Time* (hours) [ASTM D 1640]	<u>At 70°F (21°C)</u>
	Dry to Touch - 3 hours
	Dry Through - 8 hours

* Dry times vary with surface temperature, air movement, humidity and film thickness.

** Coverage rates are estimates based on the products volume solids and make no allowance for material loss during application. Actual spread rates may vary dependent on applicator experience, surface porosity and texture.

PERFORMANCE

Performance criteria meet or exceed Master Painters Institute (MPI) # 23 approval standards

RECOMMENDED TOPCOATS

Cote-All Enamel Finish (AZ-Series)
V-Cote 200 Acrylic Maintenance Primer/Finish (MC-Series)
V-Cote 222 Acrylic Maintenance Finish (MC-Series)
Pinnacle 330HS Polyurethane
MH and MS-Series Nu-Cling Acrylic Enamel
CS-Series Interior/Exterior Alkyd Enamel

SURFACE PREPARATION

All surfaces must be cured, clean, sound, dry and free of all dirt, dust, wax, oil, grease, chalk and any other contamination that would interfere with new coating adhesion. Bare surfaces must be properly prepared prior to application of this product.

- Ferrous Metal Surfaces:** Abrasive blast new steel to SSPC-SP-6. Use proper abrasive to achieve an average of 1.5 to 2 mil profile. Blasted surfaces should be primed before flash rusting occurs. If blasting is not practical, remove loose rust and mill scale with hand or power abrading tools as per SSPC-SP-2 and SSPC-SP-3. Treat rust free, cold rolled steel with a metal cleaning and etching solution.
- Previously Painted Metal Surfaces:** Power or hand washing is recommended to remove contamination. If oil or grease is present, use of a cleaner/degreaser is required. All cleaning residue must be completely rinsed from the surface. Allow to dry. Remove all loose coatings, rust and corrosion by scraping, sanding or other abrading method as per SSPC-SP-2 and SSPC-SP-3, or abrasive blast according to SSPC-SP-6 commercial blast. Use sandpaper to dull slick, glossy and/or non-porous surfaces with sandpaper. Spot prime bare areas.
- Mildew:** Remove by using a solution of one part household bleach and three parts water. Apply to mildewed area and scrub. Allow solution to remain on the surface for 3 to 5 minutes and then rinse completely and allow to dry before coating application.

APPLICATION

Stir material prior to application. Intermix tinted containers to ensure color uniformity of all material. Protect product from freezing prior to and during application. Minimum surface and air temperature required for application is 40° F (4° C) and at least 5° F (3° C) above the dew point. Curing is affected by temperature, humidity and air movement. The minimums must be maintained for at least eight (8) hours in order to achieve proper film formation. Application at elevated temperatures, wind conditions, and/or low humidity may require special application procedures to achieve proper film formation.

- Brush or Roller:** A good quality natural bristle brush will make application easier. Select a roller cover suited for the texture of the surface to be coated. Apply product in full even coats. Maintain a wet edge. To insure adequate film build, two coats are recommended when applying by brush or roller (See the drying times chart for recoat period). Allow the product to dry between coats.
- Airless Spray:** Flush airless lines with Diamond Vogel N3023 Xylol. Equipment must be clean prior to start. Apply the product in even coats and maintain a wet edge. Use multiple passes to achieve film build. Allow the product to dry between coats.

<i>Tip Orifice</i>	<i>Atomizing Pressure</i>	<i>Mat'l Hose ID</i>	<i>Manifold Filter</i>
0.013" to 0.015"	2500-3000 psi	1/4"	60 mesh

SAFETY PRECAUTIONS

Paint products contain chemical ingredients which are considered hazardous. Prior to use, read container label warnings and the current Material Safety Data Sheet for important health and safety information. Insure these instructions are practiced during product application and cure. **Keep out of the reach of children.**

LIMITED WARRANTY

The technical data and suggestions for use contained in this document are true and correct to the best of our knowledge at the date of issuance. The statements of this document do not constitute a warranty, expressed or implied, as to the performance of these products. Since Diamond Vogel Paints does not control the application of its products, or the condition of the surfaces to which they are applied, Diamond Vogel Paint's liability will under no circumstances exceed replacement of the product. **All technical information is subject to change without notice.**