



Heavy Duty Protective Coatings

AZ-Series
Cote-All

Multi-Purpose Gloss Alkyd Enamel



Technical Data

PRODUCT DESCRIPTION

A premium quality, industrial grade, high gloss, alkyd enamel for moderate environments. Designed for new construction and maintenance applications. Cote-All provides good gloss and color retention, as well as outstanding durability.

INTENDED USES

Interior/Exterior, all-purpose maintenance enamel for use on properly primed structural steel, steel storage tanks, equipment, masonry and wood. Excellent maintenance product in the petroleum, food and beverage, ag chem and architectural commercial industries. These are typical uses and not intended to limit the use of this product. NOT INTENDED FOR USE IN CONTINUALLY WET AREAS.

PHYSICAL PROPERTIES

Physical Properties reported in this data sheet are for AZ-1408 White Cote-All. Information and data could vary depending on base and color choice.

Color	White AZ-1408. Also available in 20 ready mix colors, including safety and implement colors. White, Black and Bronze is available in low gloss versions.
Bases	White Base AZ-1410, Deep Base AZ-1412, Midtone Base AZ-1411, Neutral Base AZ-0413
Finish/Sheen	85+ @ 60°
Resin Type	Alkyd
Clean-up Solvents	Mineral Spirits or Diamond Vogel N-3023 Xylol
Solids By Weight	62%
Solids by Volume	42%
Theoretical Coverage**	677 ft ² / gal @ 1 mil
Dry Film Thickness / Coat	2 - 3 mils (50 - 75 microns)
Wet Film to Achieve DFT	4.5 - 7 mils (112.5 - 175 microns)
Coverage at DFT**	225 - 338 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> Set to Touch - 4 to 6 hours Recoat Time - 8 hours Recoat Time - Max. - 30 days
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* 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) # 48 & 96 approval standards

RECOMMENDED PRIMERS, FILLERS and SEALERS

Ferrous Metal	Cote-All Universal Primer (AZ-Series) V-Tech 600 Fast Dry Universal Primer
Interior Wood	CU-1401 Alkyd Enamel Undercoat
Exterior Wood	AU-1404 Prime-O-Seal Alkyd Primer
Int. Poured Concrete	DU-1502 Acrylic Primer/Sealer
Interior Porous Block	BF-1504 Fil-Kote Block Filler
Ext. Poured Concrete	BU-1501 Sure Grip
Exterior Porous Block	BF-1501 Permafil Block Filler

SURFACE PREPARATION

All surfaces must be cured, clean, sound, dry and free of all dirt, dust, efflorescence, wax, oil, grease, chalk and any other contamination that would interfere with new coating adhesion. Bare surfaces must be properly prepared and primed prior to application of this product. See "Recommended Primers, Fillers and Sealers" for appropriate primer to use depending on the substrate.

Ferrous Metal Surfaces:

An abrasive blast to SSPC-SP-6 commercial blast is recommended. Blasted surfaces should be primed before flash rusting occurs. If blasting is not possible, remove loose rust and mill scale with hand or power abrading tools per SSPC-SP-2 or SSPC-SP-3.

Masonry Surfaces:

Poured concrete
Concrete block

New concrete must cure for a minimum of 30 days at 72°F (22°C) prior to coating application. Level all surface projections and mortar spatters by stoning. Rake mortar joints clean and Remove all soluble salts. For a smooth surface on interior or exterior porous block, use recommended fillers prior to application of this product. **ALKYD COATINGS ARE NOT RECOMMENDED FOR DIRECT APPLICATION TO UNPRIMED MASONRY SURFACES.**

Wood:

Sand smooth any exposed wood surfaces. Patch nail holes and any imperfections with wood filler or putty and sand smooth. Remove sanding dust.

Previously Painted 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 or prime completely with appropriate primer.

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. 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. Finish coat should be applied at 1.5 - 2 mils DFT per coat.

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 N-3023 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.**

Diamond Vogel Paint
1110 Albany Place SE Orange City, IA 51041
Phone 712.737.8880 Fax 712.737.4998
marketing@diamondvogel.com www.diamondvogel.com