



CU-1401

Interior Alkyd Enamel Undercoat

Product Data Sheet

PRODUCT DESCRIPTION

CU-1401 is a premium quality heavy bodied alkyd enamel undercoat with good sealing, hold out properties and alkali resistance. It is easy to sand and it levels to a smooth, non-porous surface.

TYPICAL USES

Formulated for use on new and previously painted interior wood and plaster surfaces of both residential and commercial buildings. May also be used on drywall as a stain blocker or as a sealer underneath wallpaper.¹

BASES & COLORS (tintable with ACS colorant)

CU-1401 White 0-4 oz/gal

With the addition of ACS colorant, it can be shaded to approximate the color of the finish coat.

PHYSICAL PROPERTIES (CU-1401)

Resin Type	Alkyd
Clean-up Solvent	Mineral Spirits
Finish	0 – 5 @ 85°
Solids by Weight	78 %
Solids by Volume	57 %

Recommended Dry Film Thickness per Coat	1.5 – 2 mils
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Wet Film to Achieve DFT	2.5 – 3.5 mils
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Theoretical Coverage @ 1 mil	914 ft ² /gallon
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Practical Coverage at Recommended DFT ¹	457 – 609 ft ² /gallon
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Dry Times ² @ 70° F (21° C) and 50% R.H.	Touch 4 to 6 hours Recoat 24 hours
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VOC's	339 grams/liter
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¹ Alkyd primers are not generally recommended for use on unprimed drywall as the nap of the wallboard may be raised; sand lightly before applying wallcovering or topcoat.

² Spread rates are estimates based on 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.

³ Dry times may vary depending upon temperature, humidity and degree of air movement.

SPECIFICATIONS

Interior Wood

1 ct CU-1401 Alkyd Enamel Undercoat
2 cts Most Diamond Vogel Interior Latex, Alkyd or Waterborne Epoxy Finishes.

Interior Plaster

1 ct CU-1401 Alkyd Enamel Undercoat
2 cts Most Diamond Vogel Interior Latex, Alkyd or Waterborne Epoxy Finishes

Interior Drywall

1 ct CU-1401 Alkyd Enamel Undercoat
2 cts Most Diamond Vogel Interior Latex, Alkyd or Waterborne Epoxy Finishes

This product meets or exceeds Master Painters Institute (MPI) # 46 & # 223 approval standards.

For more detailed recommendations, please contact your local Diamond Vogel Sales Representative.

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 prior to application of this product.**

Wood Surfaces: Patch nail holes, cracks and imperfections with exterior spackling compound. Sand and wipe clean. Woods subject to tannin bleeding should be primed with a stain blocking primer.

Plaster Surfaces: New Plaster must cure for a minimum of 30 days at 72° F (22° C) prior to coating application. Sand smooth and dust. Fill cracks with spackling compound, allow to dry and sand smooth. Remove sanding dust.

Drywall Surfaces: Fill nail holes and imperfections with spackling compound and allow to dry. Sand tape joints and spackled areas and remove dust. CU-1401 will raise the nap of the unprimed drywall; use as a stain blocker or as a sealer underneath wallpaper.

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 and corrosion by scraping, sanding or other abrading method. Dull glossy, slick and/or non-porous surfaces with sandpaper.
- Patch and fill areas as needed. Spot prime bare areas with appropriate primer.

Mildew

Remove by using a solution of one (1) part household bleach and three (3) parts water. Apply to mildewed area and scrub. Allow solution to remain on the surface for 3 to 5 minutes then rinse completely and allow to dry before coating application. Do not add detergents or ammonia to the bleach/water solution.

APPLICATION

- Stir material prior to application. Intermix tinted containers to ensure color uniformity of all material.
- Equipment must be clean prior to start. Flush airless lines with mineral spirits or turpentine.
- Apply by brush, roller or spray. A good quality natural bristle brush will make application easier. Select a roller cover suited for the texture of the surface to be coated. Airless tip sizes of .013 to .015 are recommended.
- Apply the product in full even coats and maintain a wet edge.
- Do not thin.

ENVIRONMENTAL VARIABLES

Minimum surface and air temperature required for application is 40° F (4° C) and at least 5° F (3° C) above the dew point. While this product is not subject to freezing, curing is affected by temperature, humidity and air movement; cold temperatures will greatly increase the dry time. Application at elevated temperatures, wind conditions, and/or low humidity may require special application procedures to achieve proper film formation.

CLEAN-UP

Clean up spills and equipment immediately with mineral spirits.

Alkyd coatings are not recommended for direct application to unprimed masonry or unprimed galvanized surfaces.

CAUTIONS

For interior use only
Do not apply below 40° F
Not intended for use on floors
Do not take internally
Use with adequate ventilation
KEEP OUT OF REACH OF CHILDREN

*WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the national Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

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.