



ASCEND

Interior/Exterior Alkyd Semi-Gloss Enamel

Product Data Sheet

PRODUCT DESCRIPTION

ASCEND Alkyd Semi-Gloss Enamel combines the benefits of traditional alkyd coatings with the newest technology to produce an ultra-low VOC, alkyd enamel. Ascend applies flawlessly by brush, roller and spray, and with superior flow and leveling, achieving a smooth, durable, beautiful finish is effortless. The ultra-low VOC formulation allows for use on projects with rigorous environmental standards providing an excellent solution for substrates where an alkyd coating has been the traditional choice.

TYPICAL USES

Formulated for use as a finish coat on primed or previously painted interior or exterior, residential or commercial surfaces. ASCEND is ideal for surfaces such as woodwork, drywall, doors, trim and metal surfaces.

BASES & COLORS-tintable with ACS Colorant

CS-1321 White Base	0-4 oz/gal
CS-1323 Deep Base	4-10 oz/gal
CS-0324 Neutral Base	4-14 oz/gal

PHYSICAL PROPERTIES(CS-1321)

Resin Type	Alkyd
Clean-up Solvent	Mineral Spirits
Finish	40-50 @ 60°
Solids by Weight	82 %
Solids by Volume	73 %
Recommended Dry Film Thickness per Coat	1.5 - 2 mils
Wet Film to Achieve DFT	2 – 2.7 mils
Theoretical Coverage @ 1 mil	1177 ft ² /gallon
Practical Coverage at Recommended DFT ¹	589 - 785 ft ² /gallon
<u>Dry Times</u> ² @ 70° F (21° C) and 50% R.H.	Touch 4 hours Recoat 12 hours
<u>Finish</u> 24 hours	80-90 @ 60°
30 days	40-50 @ 60°
VOC (Maximum VOC does not exceed 50 g/L, less colorant)	50 grams/liter

1 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.

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

SPECIFICATIONS

Drywall

1 ct DU-Series Interior Latex Primers
2 cts ASCEND

Plaster

1 ct Acryl-Prime 100% Acrylic Primer/Sealer
or
1 ct CU-1401 Alkyd Enamel Undercoat
2 cts ASCEND

Ferrous Metal

1 ct Iron Prime 250 Fast Dry Primer
or
1 ct Vers-Acryl 200 Acrylic Maintenance Primer
2 cts ASCEND

Galvanized Metal

1 ct Vers-Acryl 200 Acrylic Maintenance Primer
2 cts ASCEND

Aluminum

1 ct Vers-Acryl 200 Acrylic Maintenance Primer
2 cts ASCEND

Interior Wood

1 ct Mill Max Latex Enamel Undercoat
or
1 ct CU-1401 Alkyd Enamel Undercoat
2 cts ASCEND

Interior Smooth Block

1 ct Acryl-Prime 100% Acrylic Primer/Sealer
2 cts ASCEND

Interior Porous Block

1 ct BF-Series Block Fillers
2 cts ASCEND

Exterior Wood

1 ct Prime O Seal Alkyd Primer
2 cts ASCEND

Exterior Smooth Block

1 ct BU-Series Acrylic Primer
2 cts ASCEND

Exterior Porous Block

1 ct BF-Series Exterior Block Fillers
2 cts ASCEND

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 and primed prior to application of this product.

***Masonry Surfaces - Poured Concrete, Concrete Block:** New concrete and mortar should 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.

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

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. New drywall should be primed with an appropriate latex primer or used as self-priming.

Ferrous Metal Surfaces: Remove loose rust and mill scale with hand or power abrading tools (reference SSPC-SP-2 or SSPC-SP-3).

Aluminum Surfaces: New aluminum must be solvent wiped to remove contamination, then use an etching solution or abrade the surface by sanding. Aged aluminum should be power or hand washed with detergent and rinse thoroughly. The surface must be dull and slightly rough: use an etching solution or sand if needed.

***New Galvanized Metal Surfaces:** Solvent wipe to remove surface contamination, then use an etching solution or abrade the surface by sanding.

***Weathered Galvanized Surfaces:** Power or hand wash with detergent and rinse thoroughly. The surface must be dull and slightly rough; use an etching solution or sand if needed.

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.

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

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. Intermit tinted containers to ensure color uniformity of all material.
- Equipment must be clean prior to start. Flush airless lines with mineral spirits.
- 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. Allow the product to dry between coats.
- 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. Curing is affected by temperature, humidity and air movement. The minimums must be maintained for at least eight (24) 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.

CLEAN-UP

Clean up spills immediately with mineral spirits. Clean hands and tools immediately after use with mineral spirits.

CAUTIONS

Not intended for use on floors

Do not apply below 40° F.

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.