

### Product Data Sheet

#### PRODUCT DESCRIPTION

Flor-Cote is a premium quality interior/exterior alkyd modified polyurethane floor enamel. Its durable gloss finish is waterproof and withstands freezing temperatures and ice with resistance to abrasion from foot traffic.

#### TYPICAL USES

Flor-Cote is formulated for use on new or previously painted interior and exterior<sup>3</sup> surfaces of wood or concrete in residential or commercial buildings. It may also be used on surfaces such as properly prepared and primed woodwork, drywall, doors, trim and metal surfaces.

#### BASES & COLORS-tintable with ACS Colorant

CB-1401 White Base	0–4 oz/gal
CB-1402 Deep Base	4–10 oz/gal
CB-0404 Neutral Base	4–14 oz/gal

Ready mixed colors also available

#### PHYSICAL PROPERTIES(CB-1401)

Resin Type	Alkyd Modified Polyurethane
Clean-up Solvent	Mineral Spirits
Finish	80+ @ 60°
Solids by Weight	63 %
Solids by Volume	49 %

Recommended Dry Film Thickness per Coat	1.5-2 mils
Wet Film to Achieve DFT	3.5-4.5 mils
Theoretical Coverage @ 1 mil	780 ft <sup>2</sup> /gallon
Practical Coverage at Recommended DFT <sup>1</sup>	390-520 ft <sup>2</sup> /gallon

<u>Dry Times</u> <sup>2</sup> @ 70° F (21° C) and 50% R.H.	Touch 2-4 hours Recoat 12 hours
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VOCs	400 grams/liter
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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.

3 Flor-Cote maintains good gloss retention on interior surfaces; chalking and bleaching of darker colors may occur when exposed to weather conditions.

#### SPECIFICATIONS

##### Drywall

1 ct	Any Diamond Vogel Interior Latex Primers
2 cts	Flor-Cote

##### Plaster

1 ct	OmniPrep Universal Interior Primer
or	
1 ct	Alkyd Enamel Undercoat
2 cts	Flor-Cote

##### Ferrous Metal

1 ct	CoteAll Multi-Purpose Primer
or	
1 ct	Vers-Acryl 200 Acrylic Maintenance Primer
2 cts	Flor-Cote

##### Galvanized Metal

1 ct	Vers-Acryl 200 Acrylic Maintenance Primer
2 cts	Flor-Cote

##### Aluminum

1 ct	Vers-Acryl 200 Acrylic Maintenance Primer
2 cts	Flor-Cote

##### Interior Wood

1 ct	Mill Max Interior Latex Enamel Undercoat
or	
1 ct	Alkyd Enamel Undercoat
2 cts	Flor-Cote

##### Poured Concrete Floors

2 cts	Flor-Cote
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##### Interior Smooth Block

1 ct	OmniPrep Universal Interior Primer
2 cts	Flor-Cote

##### Interior Porous Block

1 ct	Any Diamond Vogel Block Fillers
2 cts	Flor-Cote

##### Exterior Wood

	Self-priming
or	
1 ct	Prime-O-Seal Exterior Alkyd Primer
2 cts	Flor-Cote

##### Exterior Smooth Block

1 ct	Any Diamond Vogel Exterior Acrylic Primer
2 cts	Flor-Cote

##### Exterior Porous Block

1 ct	Any Diamond Vogel Exterior Block Fillers
2 cts	Flor-Cote

This data sheet provides general recommendations and not intended to limit the use of this product. Test areas are always recommended to confirm results. 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.**

### **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 PVA 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/Aluminum Surfaces** Solvent wipe to remove surface contamination, then use an etching solution or abrade the surface by sanding.

**Weathered Galvanized/Aluminum 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.

### **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 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 clean water.
- Apply by brush, roller or spray. A good quality synthetic 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 (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.

## **CLEAN-UP**

Clean up spills immediately with mineral spirits. Clean hands and tools immediately after use with mineral spirits. To avoid spontaneous combustion during temporary storage, soak soiled rags and waste immediately after use in a water-filled, closed metal container.

## **CAUTIONS**

Do not apply below 40° F.

Do not take internally

Use with adequate ventilation

Flor-Cote may become slippery when wet. When slip resistant characteristics are desired, an aggregate may be added. The addition of aggregate creates a profile that will make the process of cleaning the floor more difficult. Flor-Cote is not recommended for surfaces that are constantly wet or for application on floors that come in contact with hot tires of vehicles.

**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](http://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 does not control the application of its products, or the condition of the surfaces to which they are applied, Diamond Vogel's liability will under no circumstances exceed replacement of the product.