

Product Data Sheet

PRODUCT DESCRIPTION

Quickly and easily improve the appearance of floors in basements, laundry rooms, entry ways, mechanical rooms, and other areas with FlorShield. FlorShield resists common household chemicals and withstands foot and light wheeled traffic ensuring your floor continues to look great. Its water-based formula makes it easy to apply and even easier to clean-up. FlorShield provides the protection of a solvent-based product with the conveniences of modern, water-based technologies.

TYPICAL USES

Formulated for use on interior residential and commercial applications designated for foot or light wheeled traffic. Floors must be properly prepared and cured. Not intended for immersion service.

BASES & COLORS-tintable with ACS Colorant

DB-1541 White Base	0–4 oz/gal
DB-1543 Deep Base	4–10 oz/gal

PHYSICAL PROPERTIES(DB-1541)

Resin Type	Acrylic Latex
Clean-up Solvent	Water
Finish	70–80 @ 60°
Solids by Weight	46%
Solids by Volume	34%

Recommended Dry Film Thickness per Coat	2.0–3.0 mils
---	--------------

Wet Film to Achieve DFT	6.0–9.0 mils
-------------------------	--------------

Theoretical Coverage @ 1 mil	550 ft ² /gallon
------------------------------	-----------------------------

Practical Coverage at Recommended DFT ¹	183–275 ft ² /gallon
--	---------------------------------

<u>Dry Times</u> ² @ 70° F (21° C) and 50% R.H.	Touch ½ to 2 hours Recoat 4 hours
--	--------------------------------------

VOCs	<250 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

Interior Concrete

2 ct FlorShield (self priming)

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 masonry 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: New concrete should cure for a *minimum* of 30 days at 72° F (22° C) prior to coating application. Clean and remove all soluble salts. Concrete surfaces must be abraded or etched; the surface should feel like 120 grit sandpaper prior to application. Testing for moisture or hydrostatic pressure is recommend

Previously Painted Surfaces

- Cleaning 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.
- Test areas to confirm adhesion is recommended

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 .009 to .011 are recommended.
- Apply the product in full even coats and maintain a wet edge. Allow the product to dry between coats. **Working time of the wet film is limited when brushing and rolling.**
- Do not thin. Do not add any flow control additives as they may not be compatible.

ENVIRONMENTAL VARIABLES

Protect product from freezing prior to and during application. Minimum surface and air temperature required for application is 50° F (10° 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 soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment.

Test coating prior to attempting to put into full service. Curing is temperature and humidity sensitive, ranging from 14-28 days.

CAUTIONS

Do not apply below 50° F.
Protect from freezing
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 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.