



BG-0520

Grain Stain

Exterior Semi-Transparent Water-Base Stain

Product Data Sheet

PRODUCT DESCRIPTION

Grain Stain Semi-Transparent Water-Base Stain is a high quality exterior stain formulated with the latest Water-Base Technology. It is designed to protect and enrich the natural beauty of wood, while still allowing the natural wood texture to show through. Grain Stain has outstanding performance characteristics that protect the substrate with water sheeting properties and mildew resistance.

TYPICAL USES

Formulated for use on residential and commercial exterior new or bare exterior rough and smooth wood surfaces. Ideal for use on exterior siding, fences, shakes and trim. Not intended for horizontal surfaces. **This product must be tinted with ACS colorant.**

BASES & COLORS (tintable with ACS colorant)

BG-0520 Natural Up to 6 oz/gal

PHYSICAL PROPERTIES (BG-0520)

Clean-up Solvent	Soap and Water
Finish	Not Applicable
Solids by Weight	22 %
Solids by Volume	15 %

Recommended Dry Film Thickness per Coat	Not Applicable
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Theoretical Coverage @ 1 mil	240 ft ² /gallon
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Practical Coverage at Recommended DFT ¹	160 – 480 ft ² /gallon
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<u>Dry Times</u> ² @ 70° F (21° C) and 50% R.H.	2 – 4 hours
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VOC's	167 grams/liter
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SPECIFICATIONS

Exterior Wood

Self Priming
1 ct Grain Stain Semi-Transparent Water-Base Stain

Cement Siding

Self Priming
1 ct Grain Stain Semi-Transparent Water-Base Stain

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

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.

SURFACE PREPARATION

Grain Stain Semi-Transparent Water-Base Stain is a penetrating product and is intended to be applied to wood surfaces that are structurally sound, dry, clean, and free of all dirt, oil, dust, wax, and any other contamination what would interfere with new coating adhesion, including previous paint or varnish films. **The wood grain must be porous and open to allow for penetration of the stain.**

New Wood

For best results, *smooth* wood, such as redwood and cedar, should be allowed to weather sufficiently for the wood grain to open up (approximately 6 months) prior to application of this product. Apply to *rough sawn* wood as soon as possible after installation. Remove mill stamps, pencil marks and other surface imperfections by sanding; remove sanding dust prior to coating.

Previously Stained Wood Surfaces

- *Do not apply Grain Stain Semi-Transparent Water-Base Stain to previously painted or varnished wood.* Remove previous film-type finishes by sanding, scraping or chemical removers. Power washing is recommended to remove deteriorated wood fibers and clean the surface. Power wash using a minimum 2400-psi, 3 g.p.m. to remove contamination. Use of a degreaser is recommended for surfaces contaminated with oil and or grease.
- Excessively gray, weathered wood siding should be cleaned with a restorative wood cleaner. Rinse completely and allow to dry before coating application.

Mildew

Remove by using a solution of one (1) part household bleach to 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 all containers to ensure color uniformity of all material.
- Equipment must be clean prior to start. Flush airless lines with 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.
- Only airless sprayers are recommended for spray application. Tip sizes of .009 - .013 are recommended. Back brush to insure penetration of the stain.

APPLICATION cont.

- Apply the product in a full even coat and maintain a wet edge. Apply enough material to saturate without puddling. Do not allow excess material to dry on the surface.
- The final color will be dependent on the wood species, grain, texture, and amount of stain absorbed and method of application. A test area is recommended to preview the end result.
- Do not thin

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.

CAUTIONS

For exterior use only
Do not apply below 50° 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.