



**BT-Series**  
**Grain Stain**  
**Exterior Solid Latex Stain**

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**Product Data Sheet**

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**PRODUCT DESCRIPTION**

Grain Stain Solid Latex Stain is a high quality exterior 100% acrylic stain that dries to a durable, blister resistant, breather type finish. Its excellent fade resistance allows colors to remain beautiful for years.

**TYPICAL USES**

Formulated for use as a finish coat on a variety of residential and commercial exterior surfaces. These include previously stained or painted exterior wood, hardboard, cement board and masonry surfaces. Suitable for use on siding, trim and fences. Grain Stain Solid Latex Stain is self priming on bare exterior wood surfaces. Two coats are recommended for optimum performance and uniformity.

**BASES & COLORS** (tintable with ACS colorant)

BT-1504 Light Base	0-6 oz/gal
BT-1503 Dark Base	4-10 oz/gal
BT-9502 Black Base	0-6 oz/gal

**PHYSICAL PROPERTIES** (BT-1504)

Resin Type	100% Acrylic
Clean-up Solvent	Water
Finish	0 – 5 @ 85°
Solids by Weight	49 %
Solids by Volume	38 %

Recommended Dry Film Thickness per Coat	1.5 – 2 mils
Wet Film to Achieve DFT	4 – 5 mils
Theoretical Coverage @ 1 mil	610 ft <sup>2</sup> /gallon
Practical Coverage at Recommended DFT <sup>1</sup>	305 – 407 ft <sup>2</sup> /gallon

<u>Dry Times</u> <sup>2</sup> @ 70° F (21° C) and 50% R.H.	Touch ½ to 2 hours Recoat 2 to 4 hours
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VOC's (Range from 93 – 126 depending on color and base)	126 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.

**SPECIFICATIONS**

**Exterior Wood/Plywood**

2 cts BT-Series Grain Stain Solid Latex Stain  
or  
1 ct AT-Series Grain Stain Solid Oil Stain  
2 cts BT-Series Grain Stain Solid Latex Stain

**Block**

Smooth  
2 cts BT-Series Grain Stain Solid Latex Stain  
Or  
1 ct BU-Series Acrylic Latex Primer  
2 ct BT-Series Grain Stain Solid Latex Stain

**Porous**

1 ct BF-Series Exterior Block Filler  
2 cts BT-Series Grain Stain Solid Latex Stain

**Poured Concrete**

1 ct BU-Series Acrylic Latex Primer  
2 cts BT-Series Grain Stain Solid Latex Stain

**Cement Siding**

Pre-primed  
2 cts BT-Series Grain Stain Solid Latex Stain  
Unprimed  
1 ct BU-Series Acrylic Latex Primer  
2 cts BT-Series Grain Stain Solid Latex Stain

This product meets or exceeds Master Painters Institute (MPI) # 16 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 (BU-Series Sure Grip or AU-Series Alkyd Primer).

### **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.

**Cement Board:** Be sure surface is clean and free of all contaminants.

### **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 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 .015 to .017 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**

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  
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](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 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.