



L&M
Construction Chemicals

VIVID DYE WB PLUS™

DS-177.4-0616

A product brand of LATICRETE International, Inc.



1. PRODUCT NAME

VIVID DYE WB PLUS™

2. MANUFACTURER

LATICRETE International, Inc.
1 LATICRETE Park North
Bethany, CT 06524-3423 USA

Telephone: +1.203.393.0010, ext. 235
Toll Free: 1.800.243.4788, ext. 235
Fax: +1.203.393.1684
Website: www.lmcc.com

3. PRODUCT DESCRIPTION

VIVID DYE WB PLUS is a concentrated formula using extremely fine molecules of color designed to penetrate and color any cementitious surface. VIVID DYE WB PLUS was created for use with the FGS PERMASHINE® polished concrete floor system, but can be used as a base color or touch up for acid stained concrete or as a coloring agent itself.

Use

VIVID DYE WB PLUS is available in 22 translucent colors. Custom colors are available. VIVID DYE WB PLUS colors can be combined to create an unlimited number of color variations. When applied properly VIVID DYE WB PLUS gives wonderful color to polished concrete floors. Anytime that VIVID DYE WB PLUS is used in a process other than polished concrete, a topcoat sealer is required. When used on polished concrete, the application of FGS® HARDENER PLUS™ or LION HARD™ will help lock in and preserve the color of VIVID DYE WB PLUS.

Advantages

- Extensive selection of vivid colors
- Extremely easy to apply
- Fast drying
- Can be used in conjunction with acid stained floors as a base color or as touch up color
- Formulated to be applied to any cementitious surface
- Packaged in dry form for easy shipping, and storage

Suitable Substrates (Interior Use Only)

- New and existing concrete

Packaging

8 oz (237 mL) Plastic Bottle
32 oz (946 mL) Plastic Bottle

Approximate Coverage

First coat 400 sq. ft./gal (9.8 m²/L)

Second coat 600 sq. ft./gal (14.7 m²/L)

Two or more applications are recommended to achieve greater depth and uniformity of coverage.

Shelf Life

One Year Shelf Life

Limitations

- May be mixed with lithium silicate hardeners, but only after first diluting with water
- VIVID DYE WB PLUS is translucent. Existing surface imperfections may be accentuated.
- To minimize loss of color intensity, avoid exposure to direct UV rays

Cautions

- Open windows and use fans to achieve adequate air movement. Non-explosive exhaust devices may be required in areas with poor ventilation.
- Tape color transition lines firmly to reduce dye “bleed” under taped line.

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

4. TECHNICAL DATA

Specifications are subject to change without notification. Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind. Satisfactory results depend upon many factors beyond the control of LATICRETE International, Inc. User shall rely on their own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from their direct use, indirect use or consequential to their use of the product. LATICRETE shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.

5. INSTALLATION

Mixing

Mix the entire contents of the 8 oz (237 mL) dye concentrate with 1 gal (3.8 L) of water. Mix the entire contents of the 32 oz (946 mL) dye concentrate with 5 gal (19 L) of water. After emptying the dye into the water, shake/stir container for 1 minute to thoroughly mix contents together. Application must be made to concrete with a temperature higher than 50°F (10°C) and maintained at this temperature or above for a minimum of 4 hours after application. Typical dry time is approximately 30 minutes at 70°F (21°C) and 50% relative humidity.

First Coat: Establish your grinding level starting point, then grind the floor up through the 200 grit level prior to the first dye application. Use a hand pump sprayer with a fine mist, cone shaped sprayer nozzle. Apply the dye in a consistent, overlapping circular motion, holding the wand approximately 12-18" (300-450 mm) above the surface. Mop out any excess dye application to minimize potential spotting due to puddling. Following the initial dye application, wait until the dye has dried, which depending on floor tightness, heat and humidity may take between 10 and 50 minutes. Over spray and tip design can lead to wasted dye. VIVID DYE WB PLUS™ is being sprayed too heavily if puddles are present. After drying, scrub the floor with water and a brush or white pad, removing the VIVID DYE WB PLUS residue in the process. Excess dye residue that is not removed may affect final color uniformity.

Second Coat: L&M recommends two dye applications to achieve maximum possible uniformity and richness of the chosen dye color. For second application, add equal parts LION HARD™ to already diluted VIVID DYE WB PLUS. This new solution will be used for all subsequent color applications. After performing the 400 grit diamond grind, apply second coat in a similar manner as before. Do not puddle. Use a mop or microfiber pad to evenly disperse the puddles. Failure to remove puddling may create permanent spotting. Allow to dry. Again scrub floor with water and a brush or white pad, removing dye residue in the process. After the final polishing pass, apply two coats of FGS HARDENER PLUS or LION HARD after concrete is dyed and polished. During first cleaning, expect a small amount of residual dye to come off the concrete.

Stain Protections: For food-based stains and spills, apply two light applications of PERMAGUARD SPS™ or LUMISEAL FX™. Burnish to desired shine level.

Maintenance Recommendations: To ensure low cost, long term satisfaction with the FGS PERMASHINE PLUS® / VIVID DYE WB PLUS floor, L&M has created a specific conditioning cleaner for your maintenance needs. FGS CONCRETE CONDITIONER, contains a balanced cleaning formulation with excellent soil suspension, and the inclusion of our hardening agent to enhance your floor to maintain its appearance.

6. AVAILABILITY AND COST

Availability

L&M™ and LATICRETE® materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at www.lmcc.com.

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE Product Warranty

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 235

Telephone: +1.203.393.0010, ext. 235

Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at www.laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at www.laticrete.com.

DS 172.5: FGS LUMISEAL FX™

DS 174.7: LION HARD

DS 174.9: FGS® HARDENER PLUS™

DS 177.7: PERMAGUARD SPS

DS 177.1: FGS CONCRETE CONDITIONER

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