



# L&M

Construction Chemicals

## VIVID DYE™

DS-177.3-0515

A product brand of LATICRETE International, Inc.



### 1. PRODUCT NAME

VIVID DYE™

### 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](http://www.lmcc.com)

### 3. PRODUCT DESCRIPTION

VIVID DYE is formulated using extremely fine molecules of color designed to penetrate and color any cementitious surface. VIVID DYE was created for use with 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. Always apply the dye in a sample area first in order to confirm desired color.

#### Use

VIVID DYE is packaged and shipped in dry powder form to be mixed with acetone by the contractor. VIVID DYE is currently being supplied in 22 standard colors. Custom colors are available. VIVID DYE colors can be combined to create an unlimited number of color variations. When applied properly VIVID DYE gives wonderful color to polished concrete floors. Anytime that VIVID DYE is used in a process other than polished concrete, PERMAGUARD SPS™ is required. It brightens the color and retards color loss overtime. FGS® HARDENER PLUS™ or LiON HARD™ are to be used to lock in the color on the polished concrete. Follow with PERMAGUARD SPS to intensify the colors and minimize UV fade.

#### 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

- New and existing concrete

#### Packaging

8 Oz (0.2 L) Plastic Bottle, Mixes to 1 Gal  
32 Oz (0.9 L) Plastic Bottle, Mixes to 5 Gal

#### Approximate Coverage

VIVID DYE coverage rates will vary significantly from floor to floor based on the roughness or texture of the concrete, porosity and the mix design. Expect approximately 400 ft<sup>2</sup> per coat, per gallon (9.8 m<sup>2</sup>/L).

#### Shelf Life

One Year Shelf Life

#### Limitations

- To minimize loss of color intensity, avoid exposure to direct UV rays
- VIVID DYE is translucent. Existing surface imperfections may be accentuated.

#### Cautions

- Danger: When mixed with acetone, VIVID DYE is highly flammable and vapors are harmful to the applicator's health.
- Great care should be taken when using the product after it has been mixed with acetone! Make sure rooms are properly ventilated.
- Open windows and use fans to achieve adequate air movement. Non-explosive exhaust devices may be required in areas with poor ventilation.
- Make absolutely certain no source of open flame is present.
- Flame or ignition sources (e.g. pilot lights, heaters, electric tools, etc.) should not be used or turned on until all vapors have dissipated.

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:** VIVID DYE is packaged in powder form in either 1 gal (3.8 L) or 5 gal (18.9 L) increments and needs to be mixed with a corresponding amount of acetone. Empty the dye powder into the special container of acetone and shake vigorously for 30 seconds. Allow mixture to set for a minimum of 3 hours before use to allow colors to blend.

Prior to application shake again for approximately 30 seconds to insure blending of dye and acetone.

**FGS PERMASHINE Floors:** Always apply VIVID DYE™ in a small test area to confirm color. When used on an FGS polish concrete process, VIVID DYE may be applied at any grit texture above 400 grit. The dye normally penetrates well at the 400 grit level and a very light coat may be applied again after polishing at the 800 or 1500 grit level.

After the final polishing pass, apply two coats of FGS® HARDENER PLUS™ after concrete is dyed and polished. During first cleaning expect a small amount of residual dye to come off of the concrete.

**Cleaning:** Minimal cleaning is required. Residual dye that did not penetrate the concrete will remain on the surface of the concrete. The quickest way to remove dye residue is with non-sanded floor sweep and a dust mop. This is effective if the applicator does not apply an excessive amount of dye. If a heavier amount of dye is applied, the applicator may need to mop the floor with water and use a shop vacuum to remove any remaining water or use a buffer with white pad and water.

Over spray and tip design can lead to wasted dye. VIVID DYE is being sprayed too heavily if puddles are present.

**Stain Protections:** Apply PERMAGUARD SPS™ for extra protection from contaminants.

#### 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](http://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](http://www.laticrete.com).

#### 10. FILING SYSTEM

Additional product information is available on our website at [www.laticrete.com](http://www.laticrete.com). The following is a list of related documents:

DS 177.7: PERMAGUARD SPS™

DS 174.9: FGS HARDENER PLUS

DS 174.7: LION HARD™