

VIVID CONCRETE DYE™

Translucent Decorative Concrete Dye
for Polished Concrete

MANUFACTURER

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PRODUCT DESCRIPTION

L&M Vivid Concrete Dye is formulated using extremely fine molecules of color designed to penetrate and color any interior concrete surface. **Vivid Concrete Dye** is ideal for use with the FGS PermaShine polished concrete floor system, but can also be used as a base color or touch up for acid stained concrete or as a coloring agent itself.

Basic Use: L&M Vivid dye is currently available in 24 standard colors. **L&M Vivid Dye** colors can be combined to create an unlimited number of color variations. When applied properly, L&M Vivid Concrete Dye gives wonderful color to polished concrete floors.

FEATURES & BENEFITS

- Extensive selection of vibrant colors
- Extremely easy to apply, Fast drying.
- Perfect for FGS PermaShine Polished Concrete Floors.
- 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 and safe shipping and storage.
- Unlimited shelf life in powder form.

ESTIMATING

L&M Vivid Concrete Dye is packaged and shipped in dry powder form to be mixed with acetone by the contractor.

L&M Vivid Concrete Dye is packaged in pre-measured units that mix with a corresponding amount of acetone solvent of either 1 gallon or 5 gallon increments.

L&M Vivid Dye coverage rates will vary significantly from floor to floor based on the roughness or texture of the concrete, its porosity, its age, and the mix design. Use of a fine tipped, cone shaped spray nozzle is recommended to insure the most uniform and effective application. Approximate coverage rate is 400 to 600 square feet per diluted gallon.

INSTALLATION

Mixing: Empty the pre-measured container of dye powder into a special, acetone resistant container containing the recommended amount of acetone solvent. Shake vigorously and then **allow contents to dissolve for a minimum of 3 hours before use to allow colors to blend.**

Immediately before application shake container well again to ensure that all the dye has mixed with the acetone.

Application to polished concrete, FGS PermaShine Floors: Always apply L&M Vivid Dye in a small test area to confirm desired color.

When used on an FGS polished concrete floor, apply **L&M Vivid Dye** at any diamond grit texture from 400 grit or above, depending upon the final polish level selected for the FGS process, Apply the dye at the grit level just prior to the final desired level (800, 1500, or 3,000 grits are typical final finishes).

Apply dye with a cone tip pump sprayer compatible with acetone. Spray uniform coat and avoid puddling. Over-spray and tip design can lead to wasted dye. Dye will dry in minutes.

Mechanically dry buff with a soft white pad and dust mop to remove any residue before installing the final polishing step.

Sealer application: After the final polishing pass, apply two coats of FGS Hardener Plus after concrete is dyed and polished. Allow first coat of densifier to dry before applying the second coat.

Cleaning: During first cleaning, it is normal to see a small amount of residual dye come off of the concrete. Minimal cleaning is normally required.

Stain Protection: For additional protection from oils and stains, apply L&M Petrotex after the complete installation of the FGS Hardener Plus.

Associated Products:

Preparation: **L&M Citrex**
Sealer: **FGS Hardener Plus**
Stain Protection **L&M Petrotex**

FOR BEST RESULTS

- Apply using acetone resistant, cone nozzle, pump up or airless sprayer.
- Recommended for interior concrete applications only.



VIVID CONCRETE COLOR DYE



- Not recommended for porous surfaces that produce little or no mottling effect.
- L&M Vivid Dye is not a final coating. Final treatment with two coats of FGS Hardener Plus is required on polished concrete floors to lock in and preserve the color for long-term performance.
- Anytime that L&M Vivid Concrete Dye is used in a process other than polished concrete an L&M topcoat sealer, such as Lumiseal Plus, is required to protect it, to enhance the color, and to retard color loss overtime.

PRECAUTIONS/LIMITATIONS

Obtain a copy of the Material Safety Data Sheet from the acetone manufacturing company regarding acetone safety, use and handling instructions.

Warning: Use only as directed. Vivid dyes in dry powder form are non-hazardous, however, when mixed with acetone, dyes are extremely flammable. Acetone liquid and vapors may ignite during use and until vapors are gone. Properly ventilate rooms. Do not allow acetone vapors to build up. Open windows and use fans to achieve adequate air movement. Non-explosive exhaust devices may be required in enclosed areas with poor ventilation. Keep away from heat, sparks and open flame, such as pilot lights, heaters, cigarettes and electric tools. Acetone is harmful if inhaled. When conditions require, such as in confined and enclosed areas, wear a MSHA or NIOSH approved carbon filter respirator, eye protection, and chemical resistant gloves. KEEP OUT OF REACH OF CHILDREN.

FAX ON DEMAND/WEBSITE

Instant access, 24 hours a day — 7 days a week to concrete information can be found in two convenient forms, Fax On Demand and L&M's internet website. Simply dial 800-839-9887 and follow the easy steps or visit www.lmcc.com or www.fgs-permashine.com

LIMITED WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to L&M Construction Chemicals ("L&M") quality control standards. All recommendations, statements and technical data herein 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, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend upon many factors beyond L&M's control. User shall rely on his or her 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 his or her direct use, indirect use or consequential to their use of the product. L&M shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. L&M's sole responsibility shall be to replace that portion of the product which proves to be defective. Any warranty claim must be made within six (6) months from the date of the claimed breach. This limited warranty applies only if the product was properly installed and used according to all instructions and was properly stored prior to use.

SHORT SPEC

03 35 00 Concrete Finishing (or)

03 01 30 Rehabilitation of Cast in Place Concrete.

Translucent, Solvent Borne Dye. To be applied by trained installers per manufacturer's instructions. L&M Vivid Concrete Dye by L&M Construction Chemicals, Inc., Omaha, NE. Color to be selected by Owner's representative.

Related Spec Sections:

033000 Cast in Place Concrete

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