



BRICKFORM® Pro-Dye™ Plus

Quick-Dry Concrete Dye

BRICKFORM Pro-Dye Plus is a translucent dye, designed to penetrate and color any cementitious surface. Pro-Dye Plus dries quickly, reducing installation time and construction costs. In most cases, cleanup and sealing can be done in the same day. It is ideal for polished concrete and it can be to achieve dramatic results.

FEATURES

- Large Selection of Vivid Colors
- Easy-to-Spray-Apply
- Interior Use Only
- Dries Quickly
- VOC: 0

PRODUCT DESCRIPTION • Brickform Pro Dye Plus is designed to penetrate the surface of cured concrete creating a layer of translucent color that dries quickly and will not chip, crack, or peel. The colors produced will be unique with captivating, multicolored intensities that become a permanent part of the concrete. Colors can be combined to create an unlimited number of color variations. When applied properly, Pro Dye Plus intense color has a similar look to the mottling effect of acid stain. Brickform Pro Dye Plus is packaged in liquid form and can be mixed with water or acetone.

USES • Pro Dye Plus is designed for use in many different decorative concrete applications and is durable enough for commercial applications such as restaurants, retail spaces and showrooms. The product is ideal for creating vivid, new color for interior floors or concrete counter tops. Pro Dye Plus also produces unique coloration on interior applications of the Brickform line of overlays. Pro Dye Plus can also be used to correct areas where acid stains have little or no reaction on the concrete surface. Vertical surfaces can benefit from the potential coloring effects of Pro Dye Plus too.

When coloring concrete during the polishing process, Brickform Pro Dye Plus is will produce excellent results. Please refer to our Lythic Polishing Products guidelines and Technical Information Sheets for more specific information on this application process.

LIMITATIONS • Brickform Pro Dye Plus is NOT suitable for exterior applications or interior applications exposed to direct sunlight. The product is also translucent in nature and will not cover all discolorations in a concrete slab such as those from rust, grease, oil, differential curing and the like.

Colors produced from mixing Pro Dye Plus with water are not as intense compared to when the product is mixed with acetone. Please refer to the color chart for general differences and complete mock ups on the slab to be stained to determine color suitability.

Brickform Pro Dye Plus is not a final coating and a sealer must be applied to protect the color.

Brickform Mottling Agent is only to be used Pro Dye Plus that has been mixed with acetone.

COLORS • Brickform Pro Dye Plus is available in 25 standard colors. As noted above, please refer to the color chart and complete mock ups on the slab to be stained to determine color suitability. Significant differences in color will be evident when mixing Pro Dye Plus with water compared to acetone.

PACKAGING • BRICKFORM Pro-Dye Plus is available in containers packaged to color the following:

| | |
|------------------------|--------------------|
| Pro-Dye Plus | Acetone |
| 8-Ounce (.23 L) Bottle | 1-gallon (3.785 L) |

BRICKFORM Mottling and Penetrating Agent™ is available in 24-ounce (.70 L) containers with 20-ounces (.59 L) of material.

COVERAGE • BRICKFORM Pro-Dye Plus will color approximately 200 - 600 square feet per gallon, per coat, depending on the application method and the porosity or finish of the concrete surface.

STORAGE • Store in a safe place, out of direct sunlight. Keep containers tightly sealed. DO NOT allow product to freeze. Shelf life for the liquid color is approximately 24 months. Shelf life for the Mottling and Penetrating Agent is approximately 12 months.

CAUTION • KEEP OUT OF REACH OF CHILDREN. Before using or handling, read the Material Safety Data Sheet and the Warning and Warranty statements included in this Technical Information Sheet. DO NOT TAKE INTERNALLY. Do not breathe vapors or mist. Use only with adequate ventilation and use a respirator when levels are above applicable limits. Avoid contact with skin and eyes. Wear eye goggles, gloves and apron to protect skin. Close container after each use. Use good hygiene when handling this product and wash and bathe after each use. Be sure to wash clothing after each use.

EQUIPMENT • BRICKFORM Acetone Pump-Sprayer™: This sprayer is specifically designed for applying BRICKFORM Pro-Dye Plus dissolved in acetone. The acetone sprayer is available in three and a half gallon (13.24 L). BRICKFORM Tips Kit™: An optional five-component tips kit is available. This kit gives the applicator options for applying chemicals ranging from fine to coarse spray patterns. A check valve is included with the tip kit. When Mixing Brickform Pro Dye Plus with water, you can use the Brickform Acetone Pump Sprayer or any high quality pump sprayer with a conical tip.

MOISTURE • If the concrete has visible signs of moisture, Brickform strongly recommends completing mock ups to determine the suitability of this product. Moisture can limit the stains ability to penetrate and can also cause significant color variations and potentially no coloration at all. In addition, because this product has to be sealed, please review the Technical Information Sheet for the sealer to be used on the project to determine what moisture levels are acceptable.

PREPARATION OF CONCRETE •

Surface Preparation Guidelines for Brickform Pro Dye Plus

Surface preparation is the most important process when using any topically applied product available from Brickform. Brickform follows the surface preparation techniques recommended by the International Concrete Repair Institute outlined in its Guideline No. 3102R13 Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays. This Guideline is available at icri.org and Brickform highly recommends obtaining a copy and thoroughly familiarizing yourself with the various processes for accurately preparing concrete slabs.

The slab must be fully cured for this product to perform properly. Generally speaking, newly poured slabs must be at least 28 days old. The curing conditions including temperature and humidity have a dramatic effect on how fast or slow the slab cures. Cooler conditions will slow the curing process and these factors must be considered when determining whether a slab has adequately cured for the installation of this product. When applying Pro Dye Plus to an overlay, please follow the guidelines for curing for that particular product prior to applying the dye.

Surface preparation requirements are different for every slab and the installer must determine what process is appropriate for the slab they are working on. The Pro Dye Plus must be sealed. The recommended surface profile for Brickform sealers is a CSP 1 or CSP2 as defined by the Guideline 3102R13 mentioned above. The application area must be profiled and then thoroughly cleaned. All grease, oil, stains, stain residues, rust, sealers, waxes and the like must be completely removed prior to application of the product.

The use of Brickform E-Etch, a mild etching and cleaning compound, followed by Brickform's Neutra-Clean and clean water rinses may be appropriate for the slab. Please refer to the TIS for these Brickform products for proper use. See also the Brickform E-Etch video online at www.brickform.com.

Acid etching with Muriatic (Hydrochloric) Acid solutions may be appropriate for slabs that require more aggressive etching and cleaning. Solutions as light as 1:20 (acid:water) to as heavy as 1:1 may be necessary depending on the slab finish. When acid washing, it is very important to protect surrounding areas from damage. Plant and animal life, certain finishes on houses, metals, and the like can all be negatively impacted if acid solutions are not used responsibly. Be sure and wear proper personal protective equipment when acid washing. Always pre-wet slabs that are to be acid washed and always neutralize the slab with Brickform's Neutra Clean following the acid wash. Do not allow acid solutions to dry on the slab as dried residues will prevent the sealer from bonding. See www.brickform.com for a video on How to Acid Wash Concrete.

Other mechanical techniques such as grinding, scarifying, shotblasting or sandblasting may be necessary to prepare the slab. See www.brickform.com for other surface preparation techniques using mechanical methods.

Old sealers and cure and seal products must be removed as well. Brickform's Strip-It is an alternative to mechanical methods for their removal. Please review the TIS for Strip It prior to using this product.

The application area must be completely clean and free of grease, oils, dirt, rust, waxes, and organic stains. Mechanical removal of these may prove aesthetically

displeasing. There are a number of stain and wax removers and enzymatic cleaners available either commercially or via the internet that work well in these situations.

When using pressure washers to clean slabs, use equipment with a minimum of 3000 psi at 4 gallons per minute. Rotary floor scrubbers with black or red pads are effective for cleaning flat floors and stamped slabs benefit from nylon bristle brush attachments for this equipment.

Once the slab has been profiled, all contaminants and potential bond breakers removed, and thoroughly cleaned, allow the slab to complete dry prior to application of the product.

NOTE: Brickform strongly recommends jobsite samples or mockups with these products. Mockups should be prepared on the same slab that the dye is to be applied. Individuals performing the work should test different sections of the concrete to determine suitability of the dye, coverage, and final appearance.

This product is not recommended for pre-sealed or dense surfaces such as glazed tile, marble or granite, dense brick, dense slate, or terrazzo. Dense, power troweled concrete slabs **MUST** be properly profiled and cleaned for proper adhesion of this product. Properly prepared surfaces will readily absorb water. Water beading up or remaining on the surface indicates additional preparation and cleaning is required.

Do not use this product where hydrostatic pressure is present.

Protect adjacent areas from overspray, runoff, spills, and tracking prior to application.

WARNING • Acetone will produce vapors that are highly flammable and may cause flash fires. Do not breathe vapors or mist. Acetone can be harmful if inhaled. Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. Use only MSHA or NIOSH approved atmosphere supplying or air purifying respirators in confined or enclosed spaces for organic vapors. Use explosion-proof equipment. Make certain no source of open flame is present. Pilot lights, heaters, cigarettes, and electric tools should not be in use or turned on until all vapors have dissipated. Use splash goggles or face shield to protect face and eyes. Use chemical-resistant gloves and avoid prolonged or repeated skin contact. **KEEP OUT OF REACH OF CHILDREN.**

MIXING • Brickform Pro Dye Plus is packaged in liquid form and needs to be mixed with acetone or water. Please follow the acetone manufacturer's guidelines for safe handling. Mix one bottle of Pro Dye Plus with one gallon of acetone or water. If mixing with acetone, simply empty the contents of the Pro Dye Plus into the container of acetone. Close the lid and shake the contents for approximately 30 seconds. When mixing with water, add the Pro Dye Plus and mix with a drill and squirrel cage type mixer for 90 seconds.

Once mixed, the Pro Dye Plus is ready for application. Best practice is to re-agitate by shaking the contents in the sprayer occasionally throughout the application process.

Brickform Mottling and Penetrating Agent. **Do not use this product when mixing the Pro Dye Plus with water.** BRICKFORM Mottling & Penetrating Agent™ can be used with BRICKFORM Pro-Dye Plus in the following amounts to increase the mottling effect and slow drying time and increase permeability:

Acetone Container Size: BRICKFORM Mottling and Penetrating Agent:
1 Gallon Add 4 Ounces
5 Gallons Add 20 Ounces

Add the Mottling and Penetrating Agent at anytime prior to the application. Be sure to mix thoroughly by shaking or stirring for approximately 30 seconds. **DO NOT USE any type of electrical equipment to stir the product into the Acetone.** Acetone is highly flammable and may ignite. Do not use Brickform Mottling and Penetrating Agent if the application is for stencils or vertical surfaces or other uses where the product needs to dry quickly. **NOTE: BRICKFORM Mottling & Penetrating Agent is not recommended with porous or broom-finished concrete.**

APPLICATION • Pro Dye Plus is ready for application as soon as it is mixed with acetone or water. Begin by spraying evenly and continuously over the prepared surface, using a #6 or #8 tip or equivalent, in a circular motion. Do not allow the Pro-Dye Plus to puddle. Mop up any excess with a clean rag so that the surface will dry evenly.

Do not track dye onto pavement that is to remain uncolored. If using Pro-Dye Plus in a polishing system, Continue with the Lythic Densifier and Lythic Protector for the rest of the polishing process. Read the Lythic Densifier and Protector products TIS before application.

SEALING • For polished floors that have been colored with the Pro Dye Plus, please refer to the Lythic product guidelines for protecting these projects.

Allow the Pro Dye Plus to completely dry before sealing. If using acetone with the Pro Dye Plus, drying times are very fast—usually 60-90 seconds or less. The Mottling Agent may prolong drying times to around 5 minutes or less. When using Pro Dye Plus with water, longer drying times are to be expected. Fans will help accelerate drying times. Indirect airflow is recommended for drying as fans blowing directly on a slab can move wet stain that has not yet penetrated causing unsightly outcomes.

Prior to sealing, the floor should be dry buffed using a rotary floor scrubber with a white pad followed by vacuuming or dust mopping. This process will remove any loose dye on the surface that could inhibit proper bonding with the sealer. **DO NOT USE WATER** to clean the floor.

Once dry and all pigment residue has been removed, spray one of the following sealers on to the project using a high quality pump sprayer or an airless type sprayer. **DO NOT ROLL ON THE SEALER OR IT WILL LIFT THE COLOR.** Protect the floor with Gem Seal, Poly Seal, or Safety Seal. Decopoxy, Uremax, or Polyastic can also be used when high performance coatings are needed like in restaurants or other commercial applications. When using Decopoxy, an airless sprayer is recommended. When using Uremax, prime the floor first by spraying on a layer of Decopoxy. Once set (usually within 4-6 hours and no more than 24) roll on 2 coats of the Uremax. When using Polyastic, prime the floor first by spraying on a coat of Decopoxy (similar fashion as noted above). Allow the Decopoxy to cure for 4-6 hours then roll on 1-2 coats of Polyastic. Always complete mock ups for customer approval first.

Please review the TIS for any sealer prior to applying the product.

After the sealer has cured, Brickform Premium Acrylic Floor Finish can be used as a protective layer to prolong the life of the sealer.

MAINTENANCE • The sealed surface should be inspected periodically for areas of thin or traffic worn Floor Finish or sealer. Reapply as needed according to the appropriate Technical Information Sheet.

If traces of efflorescence are present, all wax and sealer should be removed and the efflorescence eliminated with Brickform E-Etch following the guidelines in the E-Etch TIS. Reseal and protect once the floor has completely dried.

WARRANTY • This product is not intended for public use and is intended for use by licensed contractors and installers, experienced and trained in the use of these products. It is warranted to be of uniform quality, within manufacturing tolerances. The manufacturer has no control over the use of this product, therefore, no warranty, expressed or implied, is or can be made either as to the effects or as results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing material proven defective. The end user shall be responsible for determining product's suitability and assumes all risks and liability.

ORDER SPECIFICATIONS

Product

Pro-Dye Plus

Shipping Weight:
2.5-ounces (.07 kg)

Part Number

DSL- 110

DSL- 210

DSL- 310

DSL- 410

DSL- 510

DSL- 610

DSL- 710

DSL- 810

DSL- 910

DSL- 1100

DSL- 2010

DSL- 2210

DSL- 2510

DSL- 2710

DSL- 3010

DSL- 3510

DSL- 3710

DSL- 4010

DSL- 4210

DSL- 4510

DSL- 5010

DSL- 5510

DSL- 6710

DSL- 7010

DSL- 7210

Container Size
8 ounces (.23 L)

Color

Jade

Turquoise

Coffee

Caramel

Mahogany

Ebony

Mission Brown

Amber

Olive

Walnut

Gold

Raw Sienna

Deep Caramel

Sand

Terra Cotta

Chocolate Brown

Saddle Brown

Deep Walnut

Burnt Sienna

Chestnut

Sepia

Patriot Blue

Forest Green

Midnight Black

Black

Product

Mottling & Penetrating Agent (MPA)

Part Number

DS-8000

Product

Tip Kit with Check Valve

Shipping Weight: **Container Size**

18 ozs (.02 kg)

24-ounces (.70 L)

Part Number

DS-8500

Shipping Weight:
4 Ounces (.02 kg)