



E-Stain™

BRICKFORM E-Stains are penetrating, reactive stains that produce unique color effects in finished cementitious surfaces that simulate the natural shadings and aged appearance of stone or masonry. The color effect produced is unique to each stained surface and cannot be duplicated with other materials. BRICKFORM E-Stain creates a chemical reaction within the concrete substrate. This reaction slightly etches the concrete surface to provide deeper and more permanent color.

Technical Information

BASIC USES

BRICKFORM E-Stain may be applied over smooth troweled or textured concrete, cement-based overlayers, vertical or horizontal concrete and masonry surfaces, artificial rock displays, water features and themed finishes. BRICKFORM E-Stain is ideally suited for use in the Micro-Topping, SM Professional Grade, Stampable Overlay, and cast in place concrete.

COMPOSITION

BRICKFORM E-Stain is a water-based formulation containing reactive mineral compounds and proprietary admixtures. BRICKFORM E-Stain contains no hydrochloric acid, making it more environmentally friendly.

COLORS

E-stain is available in 8 standard colors and E-Stain Plus. Special colors and effects can be produced by using one or more applications, blending two or more stains, or by blending the stains with E-Stain Plus.

APPLICATION

Samples and Mock-Ups: Provide applied material samples in the color and texture specified for the project to the architect and owners for approval prior to project start. Provide on-site, mock-up prior to project start for approval of color, texture and workmanship.

It is strongly recommended that a small out-of-the-way section of the concrete be tested first to see if a proper reaction occurs. Be sure to let the stain DRY and then rinse carefully before deciding on the effectiveness of the stain.

Preparation: Previous coatings, adhesives, sealers, or other treatments must be removed with appropriate methods prior to application of BRICKFORM E-Stain. Actual preparation methods will depend upon the substrate conditions. In general, mechanical methods, such as rotary floor machines with abrasive pads or pressure washers are recommended. Acid etching or cleaning with acids is generally not a recommended method and should only be used in special circumstances. After the concrete has been allowed to cure for 28 days, stain may be applied.

Insure minimal moisture retention within the concrete substrate. Presence of moisture may cause excessive darkening of BRICKFORM E-Stain color value.

The concrete surface must be uniformly clean and dry prior to application of BRICKFORM E-Stain. Dirty or contaminated surfaces may prevent adequate penetration and reaction of BRICKFORM E-Stain and severely limit color results.

Floor cleaners and/or degreasers may be applied, followed by scrubbing with a floor machine. Coarse, black stripper pads should be used on the floor machine. Once floor has been scrubbed, neutralize the caustics found in the degreaser. Then thoroughly flush the surface with water to remove all residue. Let the surface dry prior to application of the BRICKFORM E-Stain.

Very dense concrete with a slick, tightly troweled surface may require mechanical preparation methods prior to applying the BRICKFORM E-Stain to open the surface to ensure proper penetration and reaction. Surfaces requiring this type of preparation can be identified during the mock-up. BRICKFORM E-Stain that can be easily removed during the rinsing procedure indicates that the material was not able to penetrate and react properly.

Adjacent areas and landscaping should be protected during the work process.

Application of Stain: Divide work area into manageable sections, utilizing natural break points such as walls, joints or other features. It is important to control wet edges to minimize overlap marking during application. Do not walk on wet stain. Use only plastic pails and hand sprayers with acid resistant plastic parts to apply BRICKFORM E-Stain. Brushes or brooms used in the application should have uncolored, acid resistant nylon bristles with medium stiffness. Rollers, mops or rotary machines are not recommended.

Thoroughly mix the BRICKFORM E-Stain prior to use. The color value of the stain can be reduced by blending the stain with E-Stain Plus. Special colors can be produced by blending two or more colors together.

Apply BRICKFORM E-Stain by brush or sprayer. Immediately scrub BRICKFORM E-Stain into the surface with a nylon brush. Work small areas in a circular motion. Maintain a wet edge with the surface until the entire area is complete. To avoid lap marks, the reacted stain from an existing area should not be spread into a new work area. Immediately brush out any splashes, drips or puddles on the surface. When applying stain to a vertical surface, start at the bottom and move upward. Avoid excessive rundown and brush immediately.

A minimum of 2 coats is generally required to achieve desired results. Additional coats may be applied to achieve a desired color or special effect. Reaction time for stain is dependent on wind, temperature and humidity. Treated surfaces should remain undisturbed for a minimum of 4 hours prior to second coat or removing residue.

When different colors are to be used in subsequent applications, the residue from the first application should be removed prior to application of the next coat.

The second or final coat of stain should then remain undisturbed for a minimum of 12–24 hours prior to removal of residue.

Rinse the residual stain from the surface with clean water, then rinse and neutralize final rinse with clean water.

After the concrete has been allowed to cure for 28 days, protect the surface with BRICKFORM Gem-Seal™ High Gloss “Wet-Look” Sealer, Poly-Seal™-High-Sheen “Wet-Look” Sealer, BRICKFORM Safety-Seal™with Traction Grip™-Low-Sheen “Natural-Look” Sealer, BRICKFORM Satin-Seal™-Satin-Finish, “Natural-Look” Sealer, or Aqua-Seal™-Penetrating Water-Based Sealer. Please get a copy of the appropriate Technical Information and Material Safety Data Sheet before attempting to use these products.

PACKAGING

1 gallon (3.8 liter) containers, 4 containers per case, 36 cases per pallet.

STORAGE AND SHELF LIFE

Keep from freezing. Store in cool, dry location. Shelf life of properly stored materials is 12 months from date of manufacture in unopened original container.

CLEAN UP

Clean tools and equipment immediately after use with clean water.

LIMITATIONS

Variations in ready mix concrete, finishing techniques and application technique will affect final appearance. A mock-up/test area is always recommended.

BRICKFORM E-Stain will not hide existing concrete discoloration, blemishes, cracks or other surface problems. Any patched area will be affected differently than the original concrete.

Concrete composition, porosity, age, texture and surface characteristics will affect penetration and final color results.

Extremely dense or tight surfaces may require mechanical abrasion prior to application to ensure proper penetration, reaction and durability. Extremely weathered concrete surfaces may lack the necessary chemical composition required for complete stain reaction. Dirty or contaminated surfaces may prevent adequate penetration of BRICKFORM E-Stain and severely limit color results.

PRECAUTIONS

Review Material Safety Data Sheet prior to product use and for additional information.

KEEP OUT OF REACH OF CHILDREN.

Wear protective clothing, gloves and goggles when handling and/or applying BRICKFORM E-Stain.

Avoid contact with skin and eyes. Flush skin and eyes with water if contact occurs.

Avoid ingestion of stain. If ingestion occurs, contact a poison control center immediately.

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 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.

MANUFACTURER

BRICKFORM, A Division of Solomon Colors, Inc.

ORDER SPECIFICATIONS

E-Stain

Shipping Weight	Container Size	Item No.
10 lb	1 gallon	ES-(100-800)

E-Stain Kit

Shipping Weight	Container Size	Item No.
6 lb	8-pack kit	ES-KIT

E-Stain Plus

Shipping Weight	Container Size	Item No.
10 lb	1 gallon	ES-1100