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Technical Information Sheet

BRICKFORM® Blush-Tone Acid Stain™



Chemical Stain For Concrete

BRICKFORM Blush-Tone Acid Stain colors concrete surfaces with a beautiful variegated and mottled appearance. BRICKFORM Blush-Tone Acid Stain can transform an ordinary concrete surface into the rich look of granite or marble.

FEATURES

- Penetrating Chemical Stain
- Will Not Chip, Crack, Or Peel
- Variegated Color
- Reduces Surface Glare

PRODUCT DESCRIPTION • BRICKFORM Blush-Tone Acid Stain is a staining agent that uses mineral salts to chemically react with the free lime at the surface of the slab to produce a permanent color change. The colors produced are unique and captivating with multi-colored intensities that simulate the natural shadings of aged stone or masonry.

USES • BRICKFORM Blush-Tone Acid Stain when properly maintained is durable enough for use in many applications, both residential and commercial. BRICKFORM Blush-Tone Acid Stain can be applied to both horizontal and vertical concrete surfaces. Use of the stain over integrally colored or color hardened slabs creates eye-catching shades that cannot be duplicated with other coloring materials.

LIMITATIONS • BRICKFORM Blush-Tone Acid Stain is not effective on many surfaces. Older, weathered concrete or concrete subject to runoff or dripping water or heavily sandblasted concrete may have little or no chemical reaction. In addition, tightly troweled surfaces may have varying or little to no reaction as the density of the surface may prevent the product from penetrating and reacting. BRICKFORM strongly recommends testing representative samples in different sections of the concrete to determine suitability of the stain and final appearance. Stain colors Turquoise, Olive and Jade should NOT be used on slag concrete or in areas subject to water from the subgrade or standing water. Applying to slag concrete or exposure to excess water will darken or blacken the stained surface. When using these colors, they should be considered for interior purposes where the subgrade is well drained and free of hydrostatic pressure. Moisture Vapor Testing should be completed if the area is questionable and rates of less than 5 pounds per 1000 square feet per 24 hours are required based on a 72 hour test per Acid Stain TM F1869.

COLORS • BRICKFORM Blush-Tone Acid Stain is available in 10 standard colors.

PACKAGING • BRICKFORM Blush-Tone Acid Stain is available in one-gallon (3.785 L) containers. .

COVERAGE • One gallon (3.785 L) of BRICKFORM Blush-Tone Acid Stain will color approximately 200-300 square feet (18.58 - 27.87 m²) of concrete surface.

STORAGE • Store in a safe place, out of direct sunlight. Keep containers tightly sealed. DO NOT allow product to freeze. Shelf life is approximately 24 months.

CAUTION • CORROSIVE. Contains Acid. KEEP OUT OF REACH OF CHILDREN. Before using or handling, read the Material Safety Data Sheet and Warranty. DO NOT TAKE INTERNALLY. Avoid contact with skin and eyes and clothing. Do not breathe the vapor or mist. Wear acid vapor mask (NIOSH/MSHA TC 23C approved), goggles, rubber gloves, protective clothing and chemical-resistant apron and boots. 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 FOR APPLICATION • Large applications are typically completed with acid resistant pump-up sprayers and brushes. Detailed work and small areas can utilize acid resistant paint brushes. When brushing stain, a plastic dish pan or tub is recommended to contain material and allow for the brush to be drip free before moving it to the work area. DO NOT USE METAL CONTAINERS OR SPRAYERS.

EQUIPMENT FOR REMOVAL OF RESIDUE • Rotary floor scrubbing machine with black or red pads, wet/dry vacuum. For corners and small areas, a medium sized stiff fiber deck brush is acceptable. Squeegees and sponges can be helpful on projects as well. Exterior jobs will require the deck brushes and a pressure washer with 2500-3000 psi at 4 gallons per minute.

PREPARATION OF CONCRETE • When using BRICKFORM Blush-Tone Acid Stain in applications where it is to be sealed, refer to the surface preparation guidelines for that sealer and use those guidelines in conjunction with these to ensure proper stain reaction and sealer adhesion. BRICKFORM strongly recommends representative job site samples. Mock ups should always be prepared on the same concrete that the acid stain is to be applied. Individuals who will be performing the work should test different sections of the concrete to determine suitability, coverage of the stain and final color appearance. The recommended surface profile for acid stains is CSP 1. Surface preparation guidelines are written by the International Concrete Repair Institute and are outlined in Guideline No. 03732 Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays. This guideline is available at www.icri.org.

The surface of the concrete must be free of sealers, dirt, oils, paint, alkali, penetrating sealers, or any foreign materials that would prevent BRICKFORM BS Acid Stain from penetrating the concrete surface. In addition, the slab must be "open" to allow for stain penetration. Power troweled or very dense, smooth concrete surfaces may not react well with BRICKFORM Blush-Tone Acid Stain and mechanical or chemical profiling may be necessary to achieve desired results. Polishing type grinders with multiple heads are the desired method for mechanical profiling as they will leave a much more even surface to stain with less scratch marks and grinding wheel marks. Depending on the sealer to be used, 35-100 grit diamond grit metal bonded grinding discs will yield the best results. Shotblasting is not recommended as the process will leave visually undesirable track marks. Chemical means for profiling will always be determined by sampling. Acceptable methods include the use of Brickform E-Etch (see TIS), phosphoric acid, and, in extreme cases, hydrochloric (muriatic) acid. If using muriatic acid to open a surface to be acid stained, always start with a high dilution of acid to water (1:20) and make stronger solutions if the slab requires such to achieve the proper profile. Always use the weakest acid to water solution necessary. Make sure mock ups include the required surface preparation techniques as these will have an effect on the final color outcome.

Concrete should be fully cured prior to stain application. Longer curing periods may be desirable when Jade or Turquoise is being used.

Once the slab has been properly profiled, thoroughly clean the slab just before applying the stain.

Surface preparation videos are available at www.brickform.com.

APPLICATION • Note: The color of the material in the bottle will not be the resulting color after the stain has completely reacted with the concrete.

Most staining is done at full strength. BRICKFORM Blush-Tone Acid Stain can be diluted with water to create variations of color. Be sure to do mock ups to determine final color outcome.

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Concrete should be dry and properly prepared prior to applying BRICKFORM Blush-Tone Acid Stain. Protect surrounding areas from overspray if using a sprayer. Work in small, manageable sections like from control joint to control joint. Do not step in wet stain.

When spraying, apply liberally with an even and continuous pattern over the slab. Maintain a wet edge. Scrub the stain into the surface with an acid resistant brush and re-spray scrubbed areas with the stain to remove brush marks. Avoid puddling of stain. When using a paint brush to apply stain, apply liberally and quickly and try to maintain a wet edge. Move the brush in a circular motion keeping in contact with the surface to avoid spatters and runs. Keep the stain container on the surface and close to the application area to avoid dripping.

The stain will foam for a few seconds as it reacts with the concrete. Stain that does not foam may be an indication that additional surface preparation may be necessary. As foaming takes place, continue moving the stain. Once the foaming has stopped continue staining with fresh material working the product back into previously stained areas to avoid lap marks. Maintain a wet edge throughout the procedure.

Avoid tracking stain onto pavement that is to remain uncolored.

When applying to vertical surfaces start from the bottom and work your way up. One person should spray the stain just ahead of another person scrubbing the surface. Avoid over application and drips.

Allow stain to remain on the surface and react for at least 4-6 hours. Exterior applications should be completed in the early morning hours when the concrete is cool and allows the stain to dry slowly.

CLEAN UP • BRICKFORM Blush Tone Acid Stain will dry and form a powdery residue. This residue must be neutralized and completely removed. Apply Brickform Neutra Clean (see TIS for proper dilution and application instructions) to the surface and scrub aggressively to loosen dried soluble salts. Rinse thoroughly and repeat until all residue has been removed.

Interior applications are most successful when rotary floor machines with black or red pads are used to scrub the surface. While the surface is still wet and the residue is suspended in the water, immediately wet vac the material. Allowing the water and residue to dry—even partially—prevents the vacuum from picking up the material. Repeat this operation several times to ensure complete residue removal. Scrub corners and hard to reach areas by hand with a medium stiff brush and wet vac water and residue right away.

Exterior applications will require aggressive scrubbing with a stiff bristle broom followed by pressure washing the surface. Do not to let the surface dry. If the surface dries, wet it down and scrub with the brush and follow with pressure washing. As with interior applications, allowing the residues to dry makes them more difficult to remove.

IMPORTANT! FAILURE TO PROPERLY AND COMPLETELY REMOVE THE ACID STAIN RESIDUE WILL LEAD TO PROBLEMS WITH SEALER ADHESION AND DURABILITY. IT CAN ALSO AFFECT THE FINAL APPEARANCE OF THE PROJECT.

Please note that rinse water may be slightly corrosive and have the ability to stain. Special care must be taken to keep runoff from areas that are to remain unstained, stained different colors or areas containing plant or animal life.

SEALING • After allowing the slab to dry thoroughly, protect the surface with BRICKFORM Gem-Seal, Poly-Astic, Poly-Seal, Safety-Seal, or Satin-Seal. Please get a copy of the appropriate Technical Information and Material Safety Data Sheet before attempting to use these products. Once sealed, protect the surface from foot traffic for 24 hours and vehicular traffic for 5 days.

MAINTENANCE • The sealed surface should be inspected periodically for areas of thin or traffic worn sealer. The sealer will need to be re-applied as traffic and wear dictates. For interior applications, BRICKFORM strongly recommends the application of Dura-Wax as a sacrificial coating to protect the sealer. Re-apply the BRICKFORM Dura-Wax as traffic and wear patterns dictate. Always follow the appropriate Technical Information Sheet guidelines when using these products.

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.

PLAN SPECIFICATION

BRICKFORM® Blush-Tone Acid Stain™

Suggested Short Form Specification:

All concrete surfaces designated in the plans and specifications as being chemically stained, shall receive one application of BRICKFORM Blush-Tone Acid Stain, in _____ color, after the concrete has cured a minimum of approximately 28 days. The surface shall be prepared and BRICKFORM Blush-Tone Acid Stain applied in accordance with the *BRICKFORM Blush-Tone Acid Stain Technical Information Sheet*, using the minimum coverage rate. All chemically stained surfaces shall be sealed with BRICKFORM Gem-Seal™, Poly-Seal™, BRICKFORM Safety-Seal™, or BRICKFORM Satin-Seal™ in accordance with their corresponding Technical information Sheet. All products shall be manufactured by BRICKFORM, 800-483-9628, Rancho Cucamonga, CA 909-484-3399.

ORDER SPECIFICATIONS

Product

BRICKFORM Blush-Tone Acid Stain

Shipping Weight

10 Lbs (4.5 kg)

Container Size

1-Gallon (3.785 L)

Item No.

CS-100	Jade
CS-200	Turquoise
CS-300	Coffee
CS-400	Caramel
CS-500	Mahogany
CS-600	Ebony
CS-700	Mission Brown
CS-800	Amber
CS-900	Olive
CS-1000	Walnut