

BRICKFORM

# BLUSH-TONE ACID STAIN

Technical Information Sheet | Apr.10.23 | Pg 1/3

## PRODUCT DESCRIPTION

Brickform Blush-Tone Acid Stain is a reactive stain 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 multicolored intensities that simulate the natural shadings of aged stone, concrete and masonry. Use Blush-Tone Acid Stain to create natural color variations on un-colored concrete, integrally colored concrete, color hardened concrete, and overlays. Blush-Tone Acid Stain, when properly maintained, is durable enough for use in both residential and commercial applications and can be applied to horizontal and vertical concrete surfaces.

## FEATURES

- Penetrating Chemical Stain
- Will not crack, chip, or peel
- Most colors Interior and exterior use
- Unlimited effects and color combinations
- Variegated Color
- Use on horizontal & vertical surfaces

## COVERAGE RATES AND PACKAGING

- Available in 1 gallon (3.8 liter) containers, 4 containers per case.
- Blush-Tone Acid Stain will cover approximately 200 ft<sup>2</sup> (18.58 m<sup>2</sup>) to 300 ft<sup>2</sup> (27.87 m<sup>2</sup>) per gallon.
- Available in 10 standard colors.

## STORAGE & SHELF LIFE

- Store in a dry, safe place with containers tightly sealed. **DO NOT** allow product to freeze.
- Shelf life is approximately 24 months.

## USE & APPLICATION

### PRECAUTIONS:

Brickform strongly recommends jobsite samples or mockups with these products. Individuals who will be performing the work should use the specified materials, as well as the finishing and curing techniques that will be used on the project. Mockups should be prepared on the same concrete that the acid stain is to be applied. Note: The final color of the stain may differ from unused material in the jug. Most staining is done at full strength, but Blush-Tone Acid Stain can be diluted with water to create color variations.

- Blush-Tone Acid Stain will look different on every slab. Variations in cement color, finishing techniques, and surface preparation will have an effect on the final color outcome. Blush-Tone Acid Stain will not hide existing concrete discoloration, blemishes, cracks or other surface problems. Concrete composition, porosity, age, texture, and surface characteristics will also affect penetration and final color results. 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 trowelled surfaces may have varying or little to no

reaction as the density of the surface may prevent the product from penetrating and reacting. 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.

- Applications on overlays will typically yield stronger colors and samples should be made using the application method planned for the field installation. Colored concrete will also have an impact on the final color outcome. The color chart is a general guideline and should be used as such. Blush-Tone Acid Stain should be applied when the air temperature is between 50°F (10°C) and 90°F (32°C). Protect all surrounding areas to reduce the possibility of staining during application. Please obtain a copy of the appropriate Technical Information Sheet and SDS for each product before attempting to use.



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

### PREPARATION:

When using Brickform Blush-Tone Acid Stain in applications where it will 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. 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. 310.2R Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays. This guideline is available at [www.icri.org](http://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 Blush-Tone 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 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 fewer 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, 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.

**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](http://www.brickform.com).**

#### APPLICATION:

- Protect surrounding areas from overspray if using a sprayer. Pre-wet the slab to be treated but do not allow water to puddle. When spraying, apply liberally with an even and continuous pattern over the slab. Work in small, manageable sections i.e from control joint to control joint and 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. Do not step in wet stain. 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. Note: Some colors may foam more than others. Once the foaming has stopped continue staining with fresh material, working the product back into previously stained areas to avoid lap marks. 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:

- Blush-Tone Acid Stain will dry and form a powdery residue. The slab must be neutralized and the residue completely removed. Apply Neutra Clean 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 immediately.
- Exterior applications will require aggressive scrubbing with a stiff bristle

brush followed by pressure washing the surface. Do not 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 residue to dry makes it 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

Allow Blush-Tone Acid Stain to completely dry prior to sealing. Drying times will vary depending on ambient conditions. For example, exterior applications on a sunny, warm day may be ready for sealer in a couple hours. A cool basement may take as long as 24 hours. Use of fans to assist drying in interior applications is recommended.

Use Brickform Gem Cure & Seal, Gem-Seal, Poly-Seal, Gem-Guard or Safety-Seal for all exterior, “wet look” applications. Poly-Astic can be used to seal interior projects only if extremely good ventilation is possible. If a water based product is desired for low odor, interior applications, use Decopoxy and/or Uremax. 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. Brickform recommends the reapplication of sealer as needed. If traces of efflorescence are present, this should first be eliminated with a gentle cleaner such as Brickform E-Etch. Brickform recommends the application of Brickform Premium Acrylic Floor Finish as a sacrificial coating on interior surfaces, reapply as needed, according to the appropriate Technical Information Sheet.

#### RECOMMENDED TOOLS & CLEAN UP

- Swissmex Acid Sprayer
- Rotary floor scrubber
- Pressure washer
- Acid Resistant brush
- Wet/Dry vacuum
- Squeegees, sponges, & other cleaning tools

#### CLEAN UP:

Clean tools and equipment with soap and water

**COMPLEMENTARY PRODUCTS**

- E-Etch - Cleaning and etching agent, efflorescence removal
- Neutra Clean - Cleaning and neutralizing agent
- Brickform Sealers
- Premium Acrylic Floor Finish (interior surfaces)

**SAFETY & PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN. Before using or handling, read the Safety Data Sheet and Warranty. DO NOT TAKE INTERNALLY.** Avoid contact with eyes and skin. When working with or near this product, all personnel must wear MSHA-NIOSH approved respirators (refer to OSHA standards in 29 CFR 1910.134). Prolonged, unprotected exposure may result in non-reversible Silicosis or Lung Cancer. Avoid inhalation and use local exhaust to keep exposures below OSHA PEL's for silica and nuisance dusts. Avoid contact with skin and eyes. Wear rubber gloves and aprons to protect skin and wear safety eye goggles. Wash splatters from skin immediately. Use good hygiene when handling this product and wash and bathe after each use. Close containers after each use. Be sure to wash clothing after each use.

**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.

For more information go to:

[solomoncolors.com](http://solomoncolors.com) or [brickform.com](http://brickform.com)

