



# Traditional Acid Stain

## A SINGLE COMPONENT COLORING SOLUTION



### COVERAGE:

1 gallon (3.8 Liters) covers approximately 250sq. ft. to 320 sq.ft. May be diluted up to 4 parts water to 1 part stain for lighter colors which will yield greater coverages.

### PACKAGING:

Available in 1 gallon jugs, 5 gallon pails and 55 gallon drums.

### STORAGE:

1. Store in a cool, dry location.
2. Store out of direct sunlight.
3. Protect pails and jugs from weather and other damage.
4. Store at a temperature between 40°F (4°C) and 90°F (32°C).

### SHELF LIFE:

2 years

### COLOR:

20 colors available  
See color chart

Visit us online:  
[ClassicCoatingSystems.com](http://ClassicCoatingSystems.com)

See Our Website Gallery  
to Get Inspired and  
View How-to Videos & SDS

### DESCRIPTION

**C**lassic Acid Stain is a single component coloring solution of acidic metallic ion particles which when placed on the cementitious surface allows the metallic ions and the particles in the cement (free alkali) to form oxides. These oxides become a permanent part of the substrate and will not crack or peel. The resulting effect creates a translucent, variegated and some times marbled color. Considerable variations in color and tone normally result from the use of Classic Stain. Many special color effects may be achieved using different application techniques. Acid stains may give you unique looks and visual characteristics that cannot be achieved by using conventional polymer or pigment type stains. This is due to the acid reacting individually with each substrate depending on the cement's content, age, porosity and the manner in which hydration takes place. These variables are the reason for its inherent beauty. **New concrete must cure for 28 days before stain is applied.**

### ADVANTAGES

|   |
|---|
| Protects and preserves the effect against wear and exposure when sealed |
| Multiple colors can be used for more interesting images                 |
| Will not crack, chip or peel  |
| Most colors can be used interior and exterior                           |
| UV stable and Low VOC   |
| Low cost, easy install & low maintenance                                |

### LIMITATIONS

|  |
|--|
| Must be neutralized with Classic C300 24 hrs. before sealing the stained surface   |
| Will not hide moving cracks however, adds to their character                       |
| Must be installed over a clean dry surface   |
| Atomic Blue, Palm Green & Aged Bronze should only be used in interior applications |
| If a uniform monolithic color is desired, Classic Acid Stain is not recommended.   |

### TYPICAL USAGE

Classic Acid Stain can be used anywhere architectural concrete is desired. Both interior and exterior, on almost any cementitious surface, whether it be gray or color harden concrete, stamped or textured concrete, micro-toppings or overlays. It can be used as an entire surface colorant or just as an accent border or detail. It may be used on both new and existing substrates. Typically used as flooring in restaurants and food service areas, bars, hotels, casino's, retail stores, malls, art studios, movie theaters, museums, pool decks, automobile showrooms, residential flooring and more. Classic Stain may also be used as a means to color poured in place concrete; both smooth or with a form linear, tilt up wall, stone-face plaster, GFRC and faux rock.

Note: In some cases if a reaction cannot be achieved the substrate may need to be resurfaced with a cementitious topping such as Classic Micro Topping (indoor applications only) and Classic Stampable Overlay (outdoor applications only). The benefit to resurfacing is to provide a virgin canvas without the effect of patches, repairs, existing stains, mastics, glues, oils, etc.



# Traditional Acid Stain

## COMPONENT COLORING SOLUTION

### SURFACE PREPARATION

- ✓ **READ SDS BEFORE HANDLING & APPLICATION**
- ✓ Highly recommended to test a small inconspicuous area first.
- ✓ **TURN OFF SPRINKLERS FOR TWO DAYS PRIOR TO AND AFTER.**
- ✓ Always protect neighboring surfaces including wood, carpet, metal, landscaping and other non-masonry surfaces.
- ✓ **Caution:** Surface is slippery when wet.
- ✓ Before you start staining wear rubber gloves & safety glasses
- ✓ New concrete must cure for 28 days before stain is applied.
- ✓ **Note:** For older concrete, waterbased stains work the best.

Surface preparation is one of the most important steps of the staining process. The concrete must be free of debris, dirt, and oils. Start by cleaning the surface with Classic Super Eco-Etch on broom finished and smooth finished concrete. Clean twice with Classic Super Eco-Etch, and pressure wash the concrete with fresh water at 2,800 psi. Rinse the surface with fresh water to remove any softened concrete created by the etching and pressure washing process. For sandblasted concrete, clean one time with Classic Super Eco-Etch and pressure wash the concrete with fresh water at 2,800 psi. Rinse the surface with fresh water. For Stamp concrete and smooth surfaces concrete the process is the same. Note: Concrete that has been acid-etched or washed with muriatic acid needs to be neutralizing using Classic Coating's Neutralizer and rinsed well with water.

Acid stain will only work on the cement portion of the concrete, and will not stain rocks and sand. Often, surfaces inside an existing house will have dry wall mud, paint, wood stains, tile adhesives, and carpet adhesives, grease, pet stains, etc on the concrete. These spots will show through if not removed as these get into the pores of the concrete and block the staining process. There are several products available at a local hardware store such as adhesive removers and lacquer thinners that can be used to clear these products from concrete. Cleaning one of these floors to a stainable level is a considerable amount of work but not impossible. If you desire a more even finish consider one of our overlay resurfacing products like Classic Stamp Overlay (white). White always shows a better color. For indoor use apply Classic Micro Topping (white), especially on a floor that has had glued tile or glued carpet.

When staining an area, cover the surrounding areas thoroughly with drop cloths and clear plastic sheeting including plants and furniture so that nothing is accidentally stained, stains can be difficult if not impossible to remove. The appearance of the finished product is very much influenced by the manner in which the stain is applied. The stain can be sprayed, mopped, brushed, rubbed, but the best way is using a plastic sprayer and a push broom, etc. We suggest to spray on method using an all plastic pump sprayer (no metal parts) and a push broom brush in circular strokes.

### HOW TO MIX THE COLOR – PER GALLON

Take a gallon of stain and pour 3/4 in to the sprayer, close the gallon and mix what's left in the gallon real good. Look inside make sure there is no pigment seating at the bottom of gallon jug. Pour the rest of the pigment into the sprayer. Mix it together in the sprayer. Do a small area for a color test.

### APPLICATION

Mist the concrete with water then apply a very light application of stain. The more stain that you apply the darker the color gets. To eliminate any brush strokes in the stain mist very little water over the brush strokes unless the strokes are desired in the finish. When the stain dries, spray a second coat on top for a darker color and more of a solid base. For a more diffuse look, you may wish to spray the stain onto the surface without brushing. Every slab of concrete is different, and staining is an artistic process so when available do small test patches on the surface corners so you can get the look that you like the best. Acid based stains cannot be cut with water thus making color lighter in shade because it will not bond to the surface. The best option is to test a small area of the concrete using full strength. Cement content and weathering is another reason to do as many pre-stain tests as the job site will allow. Let the stain dry and processes. Different stains need different times to activate and fully color the concrete (generally 15 minutes to 1 hour). Be sure and check your stains activation time before starting the job to insure full coloring of the surface. If you are going for the most color from a giving stain, spray another coat of stain over the dried surfaces. Do not walk on the wet surfaces, the stain is active and can retain impressions of your feet or other marks from your tools.

### SEALING THE SURFACE

After the floor has completely dried the surfaces must be sealed with one of Classic's Decorative Sealers. To spray the sealer on, use a good all season deck sealant pump sprayer. These usually come with three different nozzles. For spraying the sealer straight, use a medium sized nozzle and thoroughly coat the surface. Classic Sealers dry smooth and flat to the surface. The most important aspect is complete coverage. A thick coating of sealer can sometimes take 48 hours to cure enough for foot traffic, depending on humidity, etc. To brush the sealer on, use a good quality brush so the bristles do not fall loose on the surface as you apply. This is recommended for very rough surfaces or touch up work. In a sprayed or rolled surface you can come across areas of a floor that are more porous and absorb more of the sealer. You can touch these areas by feathering the brush strokes as the sealer cures to the concrete. Rolling is a popular method for applying the sealer. Be sure to use a very short napped roller with no texture. It is much harder to get an even, thick coating of sealer with a roller and is the method most likely to have unpredictable finish results.

#### HANDLING PRECAUTIONS:

Use only with adequate ventilation. An appropriate cartridge type respirator must be used during application in confined areas. Avoid contact with skin. Protective gloves, eyewear and clothing are recommended.

#### PROP 65 WARNING:

Classic Coatings, as a blender of processed material in the State of California, is required by Proposition 65 to warn that one or more of the components contained in the product contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. The State of California (Proposition 65) requires this warning in the absence of definitive testing to prove that the defined risks do not exist. We believe this product complies with all other applicable state and federal laws and regulations governing manufacturing, distribution and intended use. User is solely responsible for the legal disposal of this container and/or its contents.

#### WARRANTY:

Classic Coating products are warranted for one year after date of purchase. Please refer to the Limited Material warranty for additional clarification. **NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY.** We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. **NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABILITY OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE**

**THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT.** We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET & FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.

Technical assistance and info. is available by calling: (714) 720-6954  
[www.ClassicCoatingsSystems.com](http://www.ClassicCoatingsSystems.com)