



Nano-Infused Concrete Stain

A CONCENTRATED FORMULATED, SEMI-TRANSPARENT STAIN WITH ZERO VOC



COVERAGE:

Coverage rates will vary significantly from floor to floor based on the roughness or texture of the concrete, porosity and the mix design. Expect approximately 400 to 600 sq. ft. per 1.5 gal.

PACKAGING:

Available in 1 quart containers. Stain makes 1.25 Gallons when mixed with 1 gal. Acetone or water.

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).

COLOR:

30 standard colors. See color chart. Color match available.

DESCRIPTION

Classic Nano-Infused Concrete Stain is a specially formulated non-reactive semi-transparent stain that will penetrate and color most porous surfaces. It can be mixed with water, acetone or denatured alcohol. It is a ZERO VOC product with no odor and cutting edge technology to bring you the smallest particle size available in a concrete stain to allow the greatest penetration. It is ideal for interior or exterior use as it is UV protected and will not fade in the sun. It is packaged as a liquid concentrate. Mottled looks similar to acid or dye stain applications can be accomplished with application techniques. Nano-Infuse can be seal with-in two hours, seal with classic coatings systems water base or solvent sealers. Application is easiest with a pump sprayer with a conical tip. Tip size of .05 to .15 gpm at 30-40 psi is recommended to reach coverage rates of 400-600 sf. per gallon. **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
Complies with all applicable air quality management regulations – Zero VOC
All colors can be used interior and exterior
Compared to acid stain there's no fumes. No neutralization required and Non-hazardous shipping
Low cost, easy install & low maintenance

LIMITATIONS

If a uniform color is desired Classic FX or Acid stain is recommended
Will not hide moving cracks however, adds to their character
Must be installed over a clean dry surface
Moisture & efflorescence must be removed with Classic Densifier for a clean dry surface.
All surfaces must be cleaned with Super Eco-Etch, power washed & rinsed well with water

TYPICAL USAGE

Classic Nano-Infused Concrete 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.

Visit us online:
ClassicCoatingSystems.com

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 to Get Inspired and
 View How-to Videos & SDS

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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.

Determine if the concrete is porous with a simple water test. If the water drops in and darkens the concrete immediately, then proceed with the prep. If there is a sealer present and in good condition, mix Nano-Infuse with 2 quarts of water and mix for four minutes and then add 2 quarts of acetone (don't use a power tool) mix for two minutes, Always be cautious with flammable carrying agents. Water is not recommended when applying to overlay systems that are commonly high in polymer. The water will often raise the polymers to the surface. Using more than one color will often help to achieve a beautiful mottled look.

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. 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).

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. Representative test sections must be produced for the Owner's approval in writing and to ensure that applicators are familiar with the product and installation procedures.

HOW TO MIX THE COLOR – PER GALLON

Mixing Ratio #1: 65-90° 1 gallon of water or 1 quart of color to 2 quarts of water and 2 quarts of acetone for concrete, pavers, bricks and concrete that has been sealed with a water base sealer. Mixing Ratio #2: Colder weather 40-65° 1 quart of color to 4 quarts of acetone for concrete, pavers, bricks and concrete that has been sealed with a solvent base sealer. 1 quart makes 5 quarts.

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. Waterbased stains can not 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

Nano-Infuse can be seal with-in two hours, seal with classic coatings systems water base or solvent 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