

**SECTION 03361**  
**Concrete staining**

Direct Colors Inc., concrete staining system.  
This section is based on a system of Direct Colors Inc., which is located at:  
430 E. 10th Street  
Shawnee, OK 74804  
Tel: (405) 275-6657  
Fax: (405) 275-2815  
E-mail: info@directcolors.com  
Website: http://www.directcolors.com

The Direct Colors Patina Stain System produces unusual and permanent color effects in concrete surfaces. Each Patina Stain creates uneven color effects in concrete surfaces that simulate the natural shadings and aged appearance of stone or masonry. The color effect is unique to each stained surface and cannot be duplicated with other materials.

**SECTION 03361 - CONCRETE STAINING**

**PART 1 GENERAL**

**1.1. SECTION INCLUDES**

Retain paragraph below or modify to suit project.

- A. Stained concrete surfaces.

**1.2. RELATED SECTIONS**

Delete sections below not relevant to this project; add others as required.

- A. Section 02775 - Sidewalks.
- B. Section 03300 - Cast-In-Place Concrete.
- C. Section \_\_\_\_\_ - \_\_\_\_\_.

**1.3. SUBMITTALS**

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's catalog data, detail sheets, and printed instructions.

**1.4. QUALITY ASSURANCE**

A job site mock-up for color and texture approval is recommended. Specify a mock-up to demonstrate that proposed materials and workmanship produce acceptable appearance and color. If color stain is used for more than one application, it may be necessary to construct a mock-up for each, due to differences in methods that might change the result.

- A. Mock-Up: Provide 4 foot by 4 foot (1.2 m x 1.2 m) mock-up to demonstrate methods of obtaining consistent visual appearance.
1. Construct at least one month before start of actual work, using materials and methods to be used in actual work.
  2. Locate mock-up on site.
  3. Retain samples of materials used in mock-up for comparison with materials used in remaining work.
  4. Accepted mock-up constitutes visual standard for work.

Delete one of the following two subparagraphs.

5. Mock-up may remain.
6. Remove mock-up when no longer required for comparison with finished work.

Specify pre-construction conference if job is complex.

B. Pre-construction Conference: Conduct a review of procedures required to produce results.

## PART 2 PRODUCTS

### 2.1. MANUFACTURERS

A. Acceptable Manufacturer: Direct Colors Inc, 11115 N. Harrison Shawnee, OK 74804. Tel: (405)275-6657 1-877-255-2656 Fax: (405) 275-6657, E-mail: [info@directcolors.com](mailto:info@directcolors.com), Website: <http://www.directcolors.com>

B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

Delete paragraph above or below; coordinate with Division 1 requirements.

C. Substitutions: Not permitted.

D. Provide all concrete stamping materials from a single manufacturer.

## 2.2. CONCRETE STAINING SYSTEM

- A. Patina Stain materials and procedures.
- B. Newly placed concrete must cure for 28 days prior to application of stain.
- C. Proper preparation must be conducted to existing concrete surfaces.

## 2.3. MATERIALS

Insert color stain in the paragraph below, selecting from the following: Black, Cola, Coffee Brown, English Red, Avocado, Lawn Green, Azure Blue, Malayan Buff. Refer to manufacturer's catalog or actual samples for representations of colors.

- A. Color Stain: \_\_\_\_\_.
- B. Decorative Sealer: Acrylic sealer used for curing and sealing after installation has been completed

## PART 3 EXECUTION

### 3.1. PREPARATION

- A. Previous coatings, adhesives or other treatments should be removed with an appropriate stripper. An acid wash should never be used.
- B. New concrete should be cured a minimum of twenty-eight days. Any membrane curing compounds must be completely removed and surfaces thoroughly rinsed.

### 3.2. INSTALLATION

Concrete must be uniformly clean and dry before applying Patina Stain.
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- A. Follow manufacturer's printed instructions.
- B. Divide work area into manageable sections along natural dividing lines like walls, joints or other features.
- C. Control wet edges and minimize overlap. Do not step on any wet stain areas.

- D. Wear protective gear and apply stain at the recommended coverage rate to a uniform film thickness. Do not allow material to “puddle” on the surface.
- E. Immediately scrub stain into the surface with a nylon brush. There will be a slight bubbling or fizzing as the chemical reaction takes place.
- F. Work small areas with the brush in a consistent, continuous circular motion. Maintain a wet edge and constant brush contact with the surface until the entire work area is complete.
- G. To avoid lap marks, the reacted stain from an existing work area should not be spread into a new work area.
- H. Stepping on the wet surface will affect the chemical reaction and final color. If this occurs, brush out immediately.
- I. When applying stain to vertical concrete surfaces, start at the bottom and move upward. Avoid excessive run and always brush immediately.
- J. Reaction time for stain is dependent on wind, temperature and humidity. Surfaces should remain undisturbed for a minimum of 4 hours before removing residue and rinsing with water.
- K. When different colors are to be applied over each other, the residue from the initial color should be rinsed before the application of the subsequent color(s).
- L. Protect adjacent areas and landscaping from rinse water and runoff. Allow concrete surface to dry for a minimum of 24 hours.
- M. Protect the concrete surface with Decorative Sealer, applied in two coats for a combined rate of 200 square feet per gallon.
- N. Apply the clear sealer with a sprayer and allow to dry for a minimum of 24 hours for foot traffic and 72 hours for vehicle traffic.
- O. All joints should be sealed with a good quality caulking compound. Select a caulking color that complements the stain appearance.
- P. Maintain the stained and sealed concrete surface by cleaning regularly. Spills should be washed immediately with a commercial cleaner.