

SECTION 03363
CONCRETE FLOOR STAIN
Florid Polytech (Chroma-Stain)

PART 1.00 - GENERAL

1.01 GENERAL REQUIREMENTS

- A. Work of this Section as shown or specified shall be in accordance with the requirements of the Contract Documents.

1.02 WORK INCLUDED

- A. Work of this Section includes all labor, materials, equipment and services necessary to complete the concrete floor stain as selected on drawings and/or scheduled herein.

1.03 RELATED WORK

- A. Concrete - Section 03300 **(Note to specifier: Concrete should be water cured. Other types of curing compounds are generally not acceptable. Concrete should be cured for a minimum of 28 days. On grade floors should have a functioning vapor retarder beneath slab.)**

1.04 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
- B. Product Data: Submit manufacturer's technical data application instructions and general recommendations for concrete floor stain specified herein.
- C. Samples for initial selection purposes in the form of manufacturer's color charts showing full range of colors available.
 - 1. Submit 5" x 5" samples in color as selected by Architect.
- D. Material certificates signed by manufacturer certifying that the concrete floor stain complies with all requirements specified herein.
- E. Maintenance Instructions: Submit manufacturer's written instructions for recommended maintenance practices.

1.05 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an experienced installer or applicator who has specialized in installing concrete floor stain types similar to that required for this Project and who is acceptable to the primary materials manufacturer.
- B. Single-Source Responsibility: Obtain concrete floor stain materials including any sealers or finish coats from a single manufacturer.

1.06 DELIVERY STORAGE AND HANDLING

- A. Deliver materials in original packages and containers with seals unbroken and bearing manufacturer's labels containing brand name and directions for storage and mixing with other components.
- B. Store materials to comply with manufacturer's directions to prevent deterioration from moisture, heat, cold, direct sunlight or other detrimental effects.

1.07 PROJECT CONDITIONS

- A. Environmental Conditions: Comply with concrete floor stain manufacturer's directions for maintenance of ambient and substrate temperature, moisture, humidity, ventilation and other conditions required to execute and protect work.
- B. Lighting: Permanent lighting will be in place and working before installing concrete floor stain.

PART 2:00 - PRODUCTS

2.01 MATERIALS

- A. Concrete floor stain shall be Chroma-Stain as manufactured by Floric Polytech, Inc. of Rancho Cucamonga, CA.
Phone: (909) 483-1870 Fax: (909) 483-1869

2.02 PROPERTIES

- A. Colors: As scheduled, or if not otherwise scheduled, as selected by Architect from manufacturer's standard colors.

PART 3.00 - EXECUTION

3.01 INSPECTION

- A. Examine the areas and conditions where the concrete floor stain is to be installed and notify the Architect of conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until all unsatisfactory conditions have been corrected by the Contractor in a manner acceptable to the Architect.

3.02 PREPARATION

- A. Substrate: Perform preparation and cleaning procedures according to concrete floor stain manufacturer's instructions for particular substrate conditions involved, and as specified. Provide clean, dry, and neutral substrate for concrete floor stain application.
- B. Concrete Surfaces: Prepare concrete surface in accordance with concrete floor stain manufacturer's instructions. Remove sufficient material to provide a sound surface free of laitance, glaze, efflorescence, and any bond-inhibiting curing compounds, form release agents, coatings, or sealers. Remove grease, oil, and other penetrating contaminants. Repair damaged and deteriorated concrete to acceptable condition. Leave surface free of dust, dirt, laitance, and efflorescence.
- C. Protection: Protect walls and surrounding surfaces not to receive concrete floor stain. Do not allow stain to come in contact with wood, metal or any surfaces not intended to be stained.
- D. Materials: Prepare materials according to concrete floor stain manufacturer's instructions.
- E. Do not acid wash or use heavy alkali cleaners.

3.03 APPLICATION

- A. General: Apply each component of concrete floor stain according to manufacturer's directions to produce a uniform monolithic flooring surface.

- B. Spray concrete floor stain over prepared substrate at manufacturer's recommended spread rate. Do not apply by roller.
- C. Apply finish coats of clear sealer as recommended by concrete floor stain manufacturer.

3.04 CURING, PROTECTION AND CLEANING

- A. Cure concrete floor stain materials according to manufacturer's directions, taking care to prevent contamination during application stages and before completing curing process. Close application area for a minimum of 24 hours.

END OF SECTION