

Smith Paint Products
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Architectural Specification for Smith's Color Floor

Section 099300

PART 1 GENERAL

1.1 DESCRIPTION

This specification describes Smith's Color Floor application to properly prepared interior and exterior, horizontal porous substrates including, but not limited to concrete, terra cotta, stucco and plaster.

1.2 SUBMITTALS

A. Manufacturer's technical information and instructions for surface preparation, product application, material storage and handling.

B. Color: Smith's Color Floor is manufactured in 33 colors. Color matches are available with predetermined order size and surcharge. Color Charts are available in the following forms:

1. Stain on 2 x 2.5 inch concrete chips (sold via distribution outlets).
2. Printed color chart (free).

1.3 QUALITY ASSURANCE

A. Applicator Qualifications: Experienced applicator as well as successful installation of Smith's Color Floor or similar waterborne stains.

B. Dilution: When diluting color concentrate, use only distilled, de-ionized or reverse osmosis water.

C. Color:

1. Apply stain to intended substrate or a sample of substrate with similar characteristics (color, porosity and texture).
2. Apply stain to sample area with same application method as intended for application area..

D. Pre-installation: Before start of stain application, require that all parties/trades working in or around intended application surface are in full understanding of surface preparation, application, and protection of subsequently stained and sealed area.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Product is not freeze thaw stable in liquid state.
- B. Packing: Deliver materials in manufacturer's original, unopened packages and containers, with labels identifying manufacturer, product name, product number and stain color.
- C. Storage and Protection: Store materials not in use in tightly covered containers, out of direct sunlight in an ambient temperature between 40 – 115 degrees F. Store diluted stain in clean, carefully sealed containers.
- D. Handling: Protect materials from freezing and/or contamination during handling and application.

1.6 PROJECT CONDITIONS

- A. Temperature Conditions: Apply stain only when temperature of substrate and surrounding air temperatures is between 45 and 110 degrees F.
- B. Weather Conditions: Do not apply stain on exterior surfaces during precipitation or at a temperature that is less than 5 degrees F above the dew point.

1.7 SEQUENCING

- A. Application of stain shall begin following substrate cleaning.
- B. In ideal curing conditions (70° F, 50% Relative Humidity) schedule application of protective sealer 24 hours after stain is applied.

PART 2 PRODUCT

2.1 MANUFACTURER

- A. Smith Paint Products, 1817 North Cameron Street, Harrisburg, PA 17103. Telephone Number (717) 233-8781. Facsimile (717) 232-5199. Web Site www.smithpaints.com. E-Mail infa@smithpaints.com.

2.2 WATERBORNE STAIN

- A. Waterborne Stain: Smith's Color Floor
 1. Description: Water-based, modified acrylic and pigments
 2. Concentrate Percent Solids: 29.4 – 36 percent
 3. VOC: Diluted 9.14 – 11.11 g/l
 4. Color: please refer to Smith's Color Floor color chart
- B. Cleaner: Smith's "CT-8" surface cleaner for concrete. Clean surface in accordance with manufacturer's written instructions.
- C. A clear, film-forming sealer or "top coat" is required for installation longevity and durability.

1. Compatible Clear Sealers: solvent and water based acrylics, 1 and 2 component epoxies, 1 and 2 component poly-urethanes and poly-ureas.
2. Incompatible Clear Systems: penetrating sealers including lithium, potassium and sodium silicates as well as methyl methacrylate sealers (a.k.a. MMA's).

PART 3 INSTALLATION

3.1 EXAMINATION

- A. Examine substrate and conditions, with application contractor present, to determine compliance with application requirements.
- B. Notify Architect in writing of anticipated problems and/or unsatisfactory conditions.
- C. Do not begin surface preparation or stain application until unsatisfactory conditions have been corrected.

3.2 PREPERATION

- A. Remove or mask fixtures and areas that are not to be stained.
 1. Ensure concrete has cured a minimum of 28 days.
- B. Prepare surfaces in accordance with manufacturer's instructions.
 1. Remove loose concrete, dirt, dust, oil, grease, and other contaminants using Smith's "CT-8" surface cleaner for concrete.
 2. Hard troweled substrates may require abrasive or chemical surface preparation to ensure surface acceptance of stain.
- C. Surface
 1. Surface must be free of all contaminants and appear dry. Follow manufacturer's instruction for "tape test" to verify proper surface preparation resulting in optimal adhesion.

3.3 APPLICATION

- A. Dilute product concentrate to achieve desired appearance. Recommended dilution ratio is 1 part concentrate to 4 parts distilled, de-ionized or reverse osmosis water.
 1. Decreased dilution ratio (amount of water): increases color intensity and opacity.
 2. Increased dilution ratio: decreases color intensity and opacity.
- B. Apply stain to prepared substrate according to manufacturer's written instructions.

End of Section