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Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat*, *SectionFormat*, and *PageFormat*, contained in the *CSI Manual of Practice*.

The section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the drawings.

Delete all "Specifier Notes" when editing this section.

SECTION 03365

CONCRETE FLOOR STAIN

Specifier Notes: This section covers "Kemiko Stone Tone Stain" concrete floor stain for interior and exterior surfaces. The staining process will create a natural stone or mottled appearance.

Consult Kemiko for assistance in editing this section for the specific application.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Concrete floor stain.

1.2 RELATED SECTIONS

Specifier Notes: Edit the following list of related sections as required for the project. List other sections with work directly related to this section.

- A. Section 03300 - Cast-in-Place Concrete.
- B. Section 09930 - Stains and Transparent Finishes.

1.3 SUBMITTALS

- A. Comply with Section 01330 - Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including surface preparation and application instructions.
- C. Color Samples: Submit manufacturer's standard color chart.

Specifier Notes: Delete the installer's project references submittal if not required for the specific application.

- D. Installer's Project References: Submit list of successfully completed projects, including project name and location, name of architect, and type and quantity of concrete floor stain applied.
- E. Maintenance Instructions: Submit manufacturer's maintenance and cleaning instructions.

1.4 QUALITY ASSURANCE

Specifier Notes: Delete the following sentence if concrete floor wax and concrete floor sealer are not specified.

- A. Single Source Responsibility: Concrete floor stain materials shall be products of a single manufacturer.

Specifier Notes: Delete installer's qualifications if not required for the specific application.

- B. Installer's Qualifications:
 - 1. Successful experience in application of similar concrete floor stains.
 - 2. Employ persons trained for application of concrete floor stains.

Specifier Notes: Describe requirements for a meeting to coordinate the application of the concrete floor stain.

- C. Preinstallation Meeting: Convene a preinstallation meeting before start of application of concrete floor stain. Require attendance of parties directly affecting work of this section, including Contractor, Architect, and applicator. Review surface preparation, application, protection, and coordination with other work.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying manufacturer, product name, and concrete floor stain color.
- B. Storage: Store materials in a clean, dry area indoors in accordance with manufacturer's instructions. Keep containers sealed until ready for use.

Specifier Notes: Use and edit the following sentence if concrete floor wax or concrete floor sealer is to be applied over the concrete floor stain.

1. [Concrete Floor buff on Wax] [Concrete Floor Sealer]: Keep away from ignition sources. Do not allow to freeze.
- C. Handling: Protect materials during handling and application to prevent damage or contamination.

1.6 ENVIRONMENTAL REQUIREMENTS

- A. Do not apply concrete floor stain when air or surface temperature is below 40 degrees F.

Specifier Notes: Use the following sentence if concrete floor wax is to be applied over the concrete floor stain.

- B. Concrete Floor Wax: Do not apply when air or surface temperature is below 55 degrees F.

Specifier Notes: Use the following sentence if concrete floor sealer is to be applied over the concrete floor stain. Use 55 degrees F when specifying Kemiko Stone Tone Sealer II

- C. Concrete Floor Sealer: Do not apply when air or surface temperature is below [55 degrees F]
- D. Exterior Surfaces: Do not apply materials in wet weather.

1.7 SEQUENCING

Specifier Notes: The following sentence describes an optimum execution, but it is not mandatory. Edit as required for the specific application.

- A. Prepare surface and apply concrete floor stain after other interior finish work is completed and before baseboards are installed.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Kemiko Concrete Products, PO Box 1109, Leonard, Texas 75452. Phone (903) 587-3708. Fax (903) 587-9038. Web Site www.kemiko.com. E-Mail sales@kemiko.com.

2.2 CONCRETE FLOOR STAIN

- A. Concrete Floor Stain: Kemiko Stone Tone Stain.
 1. Description: Combination of acid solution, wetting agents, and metallic ions. When mixed with water, chemically combines with portland cement to form permanent colors.

Specifier Notes: Specify the desired color and delete the others.

2. Color: (Malay Tan) (Green Lawn) (Black) (Cola) (English Red) (Aqua Blue) (Golden Wheat) (Vintage Umber) (Ebony).

2.3 ACCESSORIES

Specifier Notes: Delete the concrete floor buff on wax and/or concrete floor sealer if not required. Apply concrete floor buff on wax or concrete floor sealer or neither over the concrete floor stain. Consult Kemiko for additional information.

- A. Concrete Floor Wax: Kemiko Stone Tone buff on Wax II.
 - 1. Acrylic Emulsion Wax.
 - 2. Resistant to Yellowing.
 - 3. Fast drying.

Specifier Notes: Specify one of the following concrete floor sealers if a sealer is required. Consult Kemiko for additional information.

- B. Concrete Floor Sealer: Kemiko Stone Tone Sealer II
 - 1. Acrylic water-based clear sealer.
 - 2. Solids Content: 24 percent.
 - 3. Resistant to Yellowing.

Specifier Notes: Blushing refers to the formation of white areas on fully dried sealer coats when water is allowed to stand on the coating. Kemiko Stone Tone Sealer II is highly resistant to blush, but it can occur. If blush does occur, it will disappear when the surface dries out.

- 4. Resistant to blush.
- 5. Flat to Satin and Gloss finish.
- 6. VOC compliant.
- 7. Quick drying.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine surfaces to receive concrete floor stain. Notify Architect if surfaces are not acceptable. Do not begin surface preparation or application until unacceptable conditions have been corrected.

3.2 SURFACE PREPARATION

- A. Protection:
 - 1. Protect walls and surrounding surfaces not to receive concrete floor stain.
 - 2. Do not allow stain to come in contact with wood or metal surfaces.
- B. Prepare concrete surface in accordance with manufacturer's instructions.

Specifier Notes: Specify the following paragraph for new concrete surfaces.

- C. Concrete shall be as specified in Section 03300. Ensure concrete is a minimum of 28 days old.

- D. Ensure concrete surface is clean, dry, structurally sound, and free from dirt, dust, oil, grease, solvents, paint, wax, asphalt, concrete curing compounds, sealing compounds, surface hardeners, bond breakers, adhesive residue, and other surface contaminants.
- E. Do not acid wash or use heavy alkali cleaners.

3.3 APPLICATION

- A. Apply concrete floor stain in accordance with manufacturer's instructions at locations indicated on the drawings.
- B. Control depth of color by adjusting volume of stain applied to floor.
- C. Apply 2 coats of concrete floor stain. Allow floor to completely dry after each coat. Do not scrub clean between coats.
- D. After floor has completely dried, scrub off stain residue in accordance with manufacturer's instructions. Allow floor to completely dry.

Specifier Notes: Delete the concrete floor buff on wax and/or concrete floor sealer if not required. Apply concrete floor buff on wax or concrete floor sealer or neither over the concrete floor stain. Consult Kemiko for additional information.

- E. Concrete Floor buff on Wax: Apply concrete floor buff on wax over interior concrete floor stain in accordance with manufacturer's instructions.
- F. Concrete Floor Sealer: Apply concrete floor sealer over concrete floor stain in accordance with manufacturer's instructions.
- G. Keep material containers closed when not in use to avoid contamination.

3.4 PROTECTION

- A. Protect stained concrete floor from damage during construction.

Specifier Notes: Use the following sentence if concrete floor sealer is to be applied over the concrete floor stain. Use 24 hours when specifying Kemiko Stone Tone Sealer II

- B. Protect concrete surfaces from foot traffic for a minimum of [24 hours] [12 hours].
- C. Avoid washing concrete surfaces for a minimum of 48 hours.

END OF SECTION