

Kemiko Concrete Products
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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 03366

CONCRETE FLOOR SEALER

Specifier Notes: This section covers Kemiko sealers for use in sealing interior and exterior concrete floor surfaces.

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

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Concrete floor sealer.

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.

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. Maintenance Instructions: Submit manufacturer's maintenance and cleaning instructions.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying manufacturer and product name.
- B. Storage: Store materials in a clean, dry area indoors in accordance with manufacturer's instructions. Keep containers sealed until ready for use. Keep away from ignition sources. Do not allow to freeze.
- C. Handling: Protect materials during handling and application to prevent damage or contamination.

1.5 ENVIRONMENTAL REQUIREMENTS

Specifier Notes: Use 55 degrees F when specifying Kemiko Stone Tone Sealer.

- A. Do not apply sealer when air or surface temperature is below [55 degrees F]

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 SEALER

Specifier Notes: Specify one of the following concrete floor sealers and delete the others. Consult Kemiko for additional information.

- A. Concrete Floor Sealer: Kemiko Stone Tone Sealer.
 - 1. Acrylic water-based urethane clear sealer.
 - 2. Solids Content: 30 percent.
 - 3. Nonyellowing.

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 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. Satin finish.
- 6. VOC compliant.
- 7. Quick drying.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine surfaces to receive sealer. 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. Prepare concrete surface in accordance with manufacturer's instructions.

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

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

3.3 APPLICATION

- A. Apply sealer in accordance with manufacturer's instructions at locations indicated on the drawings.
- B. Do not dilute sealer.
- C. Apply sealer in a thin uniform film.
- D. Apply second coat of sealer if required by manufacturer's instructions. Apply second coat after first coat is dry.

Specifier Notes: Specify the following sentence when the sealer will be applied to surfaces such as pool decks, sloped driveways, or other surfaces subjected to water. These surfaces may become slippery if coated with the sealer.

- E. Keep sealer film build-up to a minimum.
- F. Keep material containers closed when not in use to avoid contamination.

3.4 PROTECTION

Specifier Notes: Use 24 hours when specifying Kemiko Stone Tone Sealer.

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

END OF SECTION