



Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format. The section must be carefully reviewed and edited by the Architect or Engineer 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 03050

CONCRETE SEALER

Specifier Notes: This section covers Euclid "Euco Diamond Hard" liquid densifier and sealer, a proprietary blend of silicate polymers which penetrate concrete surfaces to provide an increase in abrasion resistance. This dual action hardener and sealer also acts to reduce the surface absorption of liquids. Consult Euclid for assistance in editing this section for the specific application.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Concrete densifier and sealer.

1.2 RELATED SECTIONS

- 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. Manufacturer's Certification: Submit manufacturer's ISO 9001/9002 certification.

1.4 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: ISO 9001/9002 registered or provide proof of documented quality assurance system. Quality assurance system shall be registered by independent registrar accredited by ANSI Registrar Accreditation Board (ANSI-RAB) or by another internationally recognized body.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage: Store materials in clean, dry area in accordance with manufacturer's instructions. Keep containers sealed until ready for use. Keep from freezing.
- C. Handling: Protect materials during handling and application to prevent damage or contamination.

1.6 ENVIRONMENTAL REQUIREMENTS

- A. Do not apply sealer when concrete or air temperatures are below 40 degrees F (4 degrees C) or above 135 degrees F (57 degrees C).

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. The Euclid Chemical Company, 19218 Redwood Road, Cleveland, Ohio 44110. Toll Free (800) 321-7628. Phone (216) 531-9222. Fax (216) 531-9596. Web Site www.euclidchemical.com.

2.2 MATERIALS

- A. Concrete Sealer: Euco Diamond Hard liquid densifier and sealer.
 - 1. Type: Clear, water-based, blend of silicate polymers.
 - 2. Compliance:
 - a. Meets maximum VOC content of 400 g/L in accordance with EPA 40 CFR Part 59, Table 1, Subpart D for concrete protective coatings.
 - b. Meets California and New Jersey air quality standards.
 - 3. VOC Content: 0 g/L.
 - 4. USDA approved.
 - 5. Ultraviolet resistant.
 - 6. Blush resistant.
 - 7. Non-yellowing.
 - 8. No odor.
 - 9. Penetrating.

PART 3 EXECUTION

3.1 EXAMINATION

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

3.2 SURFACE PREPARATION

- A. Prepare concrete surfaces in accordance with manufacturer's instructions.
- B. New Concrete: Cure concrete in accordance with manufacturer's instructions and as specified in Section 03300.

- C. Existing Cured Concrete: Ensure surfaces are clean, dry, and free of coatings and contaminants.

3.3 APPLICATION

- A. Apply sealer to concrete surfaces in accordance with manufacturer's instructions.
- B. Do not leave excess sealer residue on treated concrete surfaces. Remove excess hardened sealer.
- C. Do not use as a curing compound.
- D. Do not dilute sealer.

3.4 PROTECTION

- A. Protect horizontal surfaces from traffic until sealer has cured.

END OF SECTION