



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 04225

CONCRETE MASONRY UNIT WATER-REPELLENT ADMIXTURE

Specifier Notes: This section covers Euclid “Eucon Blocktite” integral water-repellent admixture for concrete masonry units. Eucon Blocktite should be added directly to the concrete mixture during the manufacture of the concrete masonry units to form a moisture barrier throughout the masonry units and to inhibit the migration of soluble salts that may cause secondary efflorescence.

Eucon Blocktite is part of an overall moisture protection system that includes using Blocktite Mortar Admixture to prevent leakage through the mortar joints. For added moisture protection, Euclid recommends using Eucoguard VOX penetrating siloxane sealer on the exterior surface of the masonry structure.

Coordinate this section with the sections specifying the concrete masonry units and the masonry mortar. Consult Euclid for assistance in editing this section for the specific application.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Integral water-repellent admixture for concrete masonry units.

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 04060 - Masonry Mortar: Water-repellent mortar admixture.
- B. Section 04220 - Concrete Masonry Units: Masonry units using integral water-repellent admixture.

1.3 REFERENCES

- A. ASTM E 514 - Water Penetration and Leakage Through Masonry.

1.4 SUBMITTALS

- A. Comply with Section 01330 - Submittal Procedures.
- B. Product Data: Submit manufacturer's product data.
- C. Test Reports: Submit manufacturer's test reports from independent testing agency indicating compliance with ASTM E 514.
- D. Manufacturer's Certification: Submit manufacturer's ISO 9001/9002 certification.

1.5 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.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver admixture in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage:
 - 1. Store admixture in clean, dry area indoors in accordance with manufacturer's instructions.
 - 2. Keep containers sealed until ready for use.
 - 3. Keep from freezing. Do not use admixture once frozen.
- C. Handling: Protect admixture during handling to prevent damage or contamination.

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 CONCRETE MASONRY UNIT ADMIXTURE

- A. Integral Water-Repellent Admixture for Concrete Masonry Units: Eucon Blocktite.
 - 1. Description: Ready-to-use, white, liquid polymer admixture to be added to concrete mixture during manufacture of concrete masonry units. Does not change color of masonry units. Does not contain added chlorides.
 - 2. Compliance: ASTM E 514.
 - 3. Dampness on Interior Walls, ASTM E 514, Extended to 72 Hours: 0 percent. Received E-rating (Excellent).

PART 3 EXECUTION

3.1 MIXING

- A. Add admixture to concrete mixture during manufacture of concrete masonry units in accordance with manufacturer's instructions.
- B. Add admixture after all water has been introduced.
- C. Mix for a minimum of 3 minutes.

Specifier Notes: Refer to Eucon Blocktite technical data sheet for dosage rates of admixture for light-weight, medium weight, and normal weight concrete masonry units and for controlling secondary efflorescence. Revise the following sentence if desired.

- D. Add admixture at dosage rate in accordance with manufacturer's instructions to provide integral moisture barrier and to control secondary efflorescence in concrete masonry units.
- E. Do not agitate admixture with air or air lance.

3.2 QUALITY CONTROL

Specifier Notes: Eucon Blocktite can only be effective when proper mixture designs and quality materials are used. Consult Euclid for additional information.

Coordinate quality control testing with the materials and quality control specified in the section specifying the concrete masonry units.

- A. Perform tests to verify performance of concrete with admixture and local materials.

END OF SECTION