

SECTION 07 19 00 - WATER REPELLENTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. Penetrating water-repellent coatings to be applied to concrete masonry units identified in Division 04 Section "Common Work Results for Masonry."

1.2 SUBMITTALS

- A. Product Data: For each type of product indicated. Include manufacturer's printed statement of VOC content.
- B. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for assemblies.
- C. Statement of Compatibility: Statement by manufacturer indicating that water repellent is compatible with integral water repellent in concrete block.
- D. Warranty: Special warranty specified in this Section.

1.3 QUALITY ASSURANCE

- A. Test Application: Apply a finish sample for each type of water repellent and substrate required. Duplicate finish of approved sample.
1. Locate each test application as directed by the Kroger Representative.
 2. Size: 25 sq. ft. (2.3 sq. m).
 3. Final approval by Architect of water-repellent application will be from test applications.

1.4 PROJECT CONDITIONS

- A. Limitations: Proceed with application only when existing and forecasted weather and substrate conditions permit water repellents to be applied according to manufacturers' written instructions and warranty requirements.

1.5 WARRANTY

- A. Warranty information for water repellents is specified in Division 01 Section "Product Warranties."

PART 2 - PRODUCTS

2.1 PENETRATING WATER REPELLENTS

- A. Proprietary-Blend, Penetrating Water Repellent: Clear, consisting of 1 or several different resins (silanes or siloxanes), polymers, stearates, or oils plus other compounds or products of components; and with 600 g/L or less of VOCs.
1. Products:

- a. Euclid Chemical Company; CHEMSTOP WB HD (2 coats). Specify store number and address when ordering.
 - b. No substitutions allowed.
2. Product must be compatible with integral water repellant in concrete block.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Clean substrate of substances that might interfere with penetration or performance of water repellents. Test for moisture content, according to water-repellent manufacturer's written instructions, to ensure that surface is dry enough.
- B. Protect adjoining work, including sealant bond surfaces, from spillage or blow-over of water repellent. Cover adjoining and nearby surfaces of aluminum and glass if there is the possibility of water repellent being deposited on surfaces. Cover live plants and grass.
- C. Coordination with Sealants: Do not apply water repellent until sealants for joints adjacent to surfaces receiving water-repellent treatment have been installed and cured.
 1. Water-repellent work may precede sealant application only if sealant adhesion and compatibility have been tested and verified using substrate, water repellent, and sealant materials identical to those used in the work.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 APPLICATION

- A. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect the substrate before application of water repellent and to instruct applicator on the product and application method to be used.
- B. Apply to surfaces specified in Division 04 Section "Common Work Results for Masonry."
- C. Apply a heavy-saturation spray coating of water repellent on surfaces indicated for treatment using low-pressure spray equipment. Comply with manufacturer's written instructions for using airless spraying procedure, unless otherwise indicated.
- D. Apply a second saturation spray coating, repeating first application if required by manufacturer. Comply with manufacturer's written instructions for limitations on drying time between coats and after rainstorm wetting of surfaces between coats. Consult manufacturer's technical representative if written instructions are not applicable to Project conditions.

3.3 CLEANING

- A. Immediately clean water repellent from adjoining surfaces and surfaces soiled or damaged by water-repellent application as work progresses. Repair damage caused by water-repellent application. Comply with manufacturer's written cleaning instructions.

END OF SECTION 07 19 00