

SECTION 07 19 00

WATER REPELLENT COATING

PART I GENERAL

1.1 SUMMARY

A. Section Includes:

1. Water repellent coating to exterior concrete and masonry surfaces.

B. Related Sections:

1. Section 03 30 00– Cast-In-Place Concrete
2. Section 04 21 13 - Brick Masonry

1.2 SUBMITTALS

- A. Comply with requirements of Section 01 33 00.

1.3 QUALITY ASSURANCE

- A. Applicator: Acceptable to coating manufacturer.

- B. Field Sample: Apply coating to field sample described for material water repellent is to be applied to.

1.4 ENVIRONMENTAL REQUIREMENTS

- A. Follow manufacturer's recommendations for temperature range in which coating may be applied.

- B. Comply with National Volatile Organic Compound Emission Standards for Architectural coatings, Rule 40 CFR, Part 59, established by Environmental Protection Agency for VOC limits unless stricter local regulations are required.

1.5 GUARANTEE/WARRANTY:

- A. Provide 10-year warranty for water repellent coating on brick, precast, stone, and 5 year warranty for CMU guaranteeing the installation waterproof and watertight, except for structural cracks or opening caused by settling, expansion or contraction.

- B. Warranty Period: 10 years from date of Substantial Completion. Non-prorated labor and materials.

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PART 2 PRODUCTS

2.1 ACCEPTABLE MANUFACTURER/PRODUCT

- A. Brick application:
 - 1. Siloxane WB Concentrate by ProSoCo.
 - 2. Prime-a-Pell 200. Manufacturer: Chemprobe Corporation.
- B. Concrete application
 - 1. Blok-Guard & Graffiti Control 9. Manufacturer: ProSoCo.
 - 2. Prime-a-Pell Plus. Manufacturer: Chemprobe Corporation

2.2 SUBSTITUTIONS

- A. Refer to Specification Section 01 60 00 for product substitution requests.
- B. No substitution will be accepted 10 days prior to bid date.

PART 3 EXECUTION

3.1 INSPECTION

- A. Verify joint sealants are installed and cured.
- B. Beginning of installation means acceptance of substrate.

3.2 PREPARATION

- A. Remove loose particles and foreign matter.
- B. Remove oil or foreign substance with a cleaning agent which will not affect coating.
- C. Scrub and rinse surfaces with water and let dry.
- D. Protect adjacent surfaces not scheduled to receive coating.
- E. If applied on unscheduled surfaces, remove immediately, by approved method.
- F. Protect landscaping, property, and vehicles from overspray and drift.

3.3 APPLICATION

- A. Delay work until masonry mortar is cured for seven days and weather forecast calls for hot, dry conditions. Follow manufacturer's directions for masonry cure periods before applying water repellent.

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B. Apply coating (**minimum 2 coats**) in accordance with manufacturer's instructions, using appropriate method and coverage rate.

C. Application:

1. Surface must be clean and dry.
2. Air temperature must be 50° F or higher during application.
3. Re-pointing shall be allowed to dry for 72 hrs. minimum before application.
4. All caulking and sealant work must be done prior to application and have a minimum of 12 hours of curing time or until set.
5. All alkali or efflorescence to be cleaned and/or treated prior to application.
6. Material to be applied with a 12" rundown.
7. Mask off other finish materials, aluminum storefronts, windows, glass, etc. that are not scheduled to receive water repellent coating.
8. Coverage must meet or exceed normal coverage rates stated by the manufacturer.
9. Application may be low pressure sprayer (less than 200 psi or lower as recommended by manufacturer.,

END OF SECTION

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