SECTION 07180
WATER REPELLENTS

PART 1 - GENERAL

1.1 SUMMARY:

A. Section Includes:

1. Water repellents for the following:

   a. Exterior brick.
   b. Unpainted exterior concrete masonry unit surfaces.
   c. Exterior architectural precast concrete surfaces.

B. Related Sections:

1. Section 03300 - Cast-in-Place Concrete.
2. Section 03450 - Architectural Precast Concrete.
3. Section 04200 - Unit Masonry.
4. Section 09900 - Painting.

1.2 QUALITY ASSURANCE:

A. Qualifications:

1. Installer shall be a water-repellent coating firm specializing in special coatings, experienced in the application of the types of water repellents required with not less than 3 years of successful experience.

B. Manufacturer shall certify application procedures including:

1. Coverage rate.
2. Temperature and site conditions.
3. Conformance with manufacturer's recommendations.

C. Indicate laboratory test results for water repellents on substrate simulating Project conditions. Use same materials and methods of applications to be used on the Project.

D. Mock-Up: Apply water repellent to mock-up or other sample, partial coverage, before proceeding with installation. Obtain approval of final appearance. Mock-up will become the standard of quality for judging completed work.

WATER REPELLENTS ARE REQUIRED FOR ALL EXTERIOR CMU SURFACES. COATING IS OPTIONAL FOR BRICK SURFACES. COATING IS REQUIRED FOR ALL PRECAST CONCRETE SURFACES AND RECOMMENDED FOR CAST-IN-PLACE CONCRETE SURFACES. DO NOT USE ON STONE SURFACES.
1.3 WARRANTY:

A. Provide manufacturer's 5 year written warranty covering material and application.

PART 2 - PRODUCTS

2.1 MATERIALS:

A. Clear Sealer for Brick and Concrete:

1. "Chemstop Regular Masonry Waterproofing" by Tamms Industries.
2. "Clear Double 7" by Hydrozo, Inc.
3. "Weather Seal 201-GP" by ProSoCo, Inc.
4. Approved substitute.

B. Clear Sealer for CMU:

1. "Euco Weather-Guard" by The Euclid Chemical Company.
2. "Weather Seal Siloxane" by ProSoCo, Inc.
3. "Baracade SMS 250" by Tamms Industries.

PART 3 - EXECUTION

3.1 PREPARATION:

A. Coordination with Sealants: Where feasible, delay application of water repellents until installation of sealants has been completed in joints adjoining surfaces to be coated with repellent.

3.2 INSTALLATION:

A. Comply with the manufacturer's instructions.

B. Consult manufacturer's technical representative for recommendations applicable to project conditions.

C. Apply in two coats.

END OF SECTION 07180