

SECTION 07190

WATER REPELLANT TREATMENT

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Water Repellant Treatment.

1.2 RELATED SECTIONS

- A. Section 03300 - Cast-In-Place Concrete: Concrete to receive color treatment.
- B. Section 03400 - Precast Concrete: Concrete to receive color treatment.
- C. Section 04200 - Masonry Units: Masonry Units to receive color treatment.
- D. Section 04400 - Stone: Stone to receive color treatment.
- E. Section 09220 - Stucco: Stucco to receive color treatment.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
- C. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- D. Verification Samples: For each finish product specified, two samples representing actual product, color, and patterns.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: All primary products specified in this section will be supplied by a single manufacturer with a minimum of twenty (20) years experience.
- B. Installer Qualifications: All products listed in this section are to be installed by a single installer with a minimum of three (3) years demonstrated experience in installing products of the same type and scope as specified.

- C. Environmental Regulations: Submit certification that products listed in this section comply with Federal, State and Local VOC regulations.
- D. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
  - 1. Finish areas designated by Architect.
  - 2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
  - 3. Refinish mock-up area as required to produce acceptable work.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation. Wherever possible, store materials in a secure, indoor facility.
- B. Keep products away from sparks or open flame.
- C. Keep all water based materials from freezing.
- D. Store and dispose of hazardous materials, and materials contaminated by hazardous materials, in accordance with requirements of local authorities having jurisdiction.

#### 1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

#### 1.7 WARRANTY

- A. At project closeout, provide to Owner or Owners Representative an executed copy of the manufacturer's standard limited warranty against manufacturing defect, outlining its terms, conditions, and exclusions from coverage.
  - 1. Duration: Twenty-five (25) years.

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Nawkaw Corporation, which is located at: 370 Commerce Blvd.; Bogart, GA 30622; Toll Free Tel: 866-4NAWKAW; Tel: 706-355-3217; Email: [request info](#); Web: [www.nawkaw.com](http://www.nawkaw.com)

#### 2.2 SCOPE:

- A. Apply a material that acts as water repellent while modifying the existing color of the masonry surface on above grade vertical or splayed masonry surfaces.

#### 2.3 WATER REPELLANT TREATMENT

- A. General: NWRT-91 - Dual-purpose product designed to add color to masonry while repelling water from significantly penetrating the vertical masonry. Water based, multiple polymer formulation of resin solids and color pigments. UV resistant, light-fast and mold, mildew and fungus resistant.
- B. Performance:
  - 1. Specific Gravity: 1.27 - 1.31.

2. Viscosity at 72 F (22 C): 70 - 95 KU.
3. Solids (Weight): 36 to 39 percent.
4. Solids (Volume): 31 to 34 percent.
5. pH: 8.5 - 9.5.
6. Gloss / Sheen: Flat.
7. Volatile Organic Compound (VOC): Less than 5 percent.

- C. Finish:
1. Color: Formulate to match existing masonry.
  2. Color: Formulate to color as selected by the Owner or Architect.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. Verify that surfaces to receive Work are structurally sound and fully intact.
- C. Verify that new masonry has cured at least twenty-one (21) days prior to starting Work.
- D. Verify that surfaces to receive Work have a neutral pH.
- E. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### 3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation. Allow surfaces to dry completely before applying coating.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Where present, treat alkali or efflorescence with a neutralizing agent recommended for the surface.

### 3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Do not proceed with Work when ambient temperatures are less than 25 F (4 C) or greater than 110 F (43 C).
- C. Verify color uniformity twelve (12) hours after application. Recoat areas where blotches, blemishes or imperfections are present.

### 3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Protect shrubs, metal, wood trim, glass, asphalt, and other building hardware from overspray during application.
- C. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION