

**SECTION 09 96 23**  
**GRAFFITI-RESISTANT COATINGS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Requirements for all Graffiti-Resistant Coating Work as indicated on the drawings and as specified herein.

**1.02 REFERENCE STANDARDS**

- A. References and industry standards listed in this Section are applicable to the Work. Unless more restrictive criteria or differing requirements are explicitly stated in the Specifications, or mandated by governing codes or regulations, the recommendations, suggestions, and requirements described in the referenced standards shall be deemed mandatory and applicable to the Work.
- B. ASTM E96/E96M - Standard Test Methods for Water Vapor Transmission of Materials; 2014.
- C. N.Y.S. Department of Environmental Conservation "Architectural Surface Coatings"

**1.03 SUBMITTALS**

- A. Product Data
  - 1. Provide manufacturers' product literature for all materials specified including any removal agents. In addition to actual material data, submit manufacturer's printed directions and recommendations for environmental conditions, surface preparation, priming, mixing, spreading rate, application, storage, VOC compliance certification, and protection for applicators and other persons in vicinity of work area, as applicable for each of the materials specified.
  - 2. Submit four (4) copies of instructions for removal of graffiti and reinstallation of Graffiti Resistant Coating.
- B. Quality Assurance
  - 1. Manufacturers Certificate stating that Graffiti Resistant Coatings and removal products to be furnished are compatible with the materials to which they will be applied.
  - 2. List of five projects of a similar nature completed in NYC area.
  - 3. Statement of approval of the applicator by the manufacturer.
  - 4. Certification that products are from a single manufacturer.
  - 5. Coating Test Areas/Field Samples.
- C. All warranties called out in the Specification
  - 1. Contractor's Warranty
  - 2. Manufacturer's Warranty
- D. Maintenance and Training
  - 1. Provide Extra Materials of graffiti removal products as specified in Article 1.10.
  - 2. Provide Extra Materials of graffiti resistant coating as specified in Article 1.10.

**1.04 QUALITY ASSURANCE**

- A. Manufacturer's Experience: Minimum 5 years successful experience in manufacture of type of product specified.
- B. Submit list of five projects of a similar nature in the New York City area where the graffiti resistant coating system has been used. Include the name and address of the project and the name and phone number of the person to contact.
- C. Applicator: Approved in writing by the Manufacturer.
- D. Single Source Responsibility
  - 1. Provide product of a single supplier
- E. Test Areas/Field Samples

1. Apply coating to test areas in locations as directed by the Project Architect. Minimum size of test areas shall be 4'-0" by 4'-0". Provide a minimum of two test areas for each type of material to be protected. Test areas shall be on elevations with different orientations. Test areas shall be installed 4 weeks before start of scheduled coating installation. Two weeks after installation, test areas should be covered with graffiti, which should be allowed to cure for a minimum of three days. Graffiti removal using manufacturers recommended procedures shall than be undertaken,
2. Upon acceptance and approval of the graffiti removal test, in writing, by the Project Architect, the test areas shall become the "Standard of Quality" maintained by the Contractor for all applications of graffiti resistant coating for this Project.

#### **1.05 REGULATORY REQUIREMENTS**

- A. N.Y.S. Department of Environmental Conservation - Part 205 on "Architectural Surface Coatings" - for (VOC) Volatile Organic Compounds.

#### **1.06 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver materials to the site in original, unopened containers bearing manufacturer's name and label containing the following information:
  1. Product name or title of material
  2. Manufacturer's stock number and date of manufacture
  3. Manufacturer's name
  4. Contents by volume for major pigment and vehicle constituents
  5. Mixing and Application instructions
- B. Storage
  1. The Authority will designate space on premises for storage of materials.
  2. When painting materials are to be used for the project, graffiti coating systems will be stored in areas designated for storage of paint and will adhere to all requirements for storage outlined in Section 09900, of the Specifications.

#### **1.07 FIELD CONDITIONS**

- A. Environmental and Safety Requirements
  1. Comply with manufacturer's recommendations as to environmental conditions under which coatings and coating systems can be applied.
  2. Provide coating products to comply with applicable environmental regulations.
  3. Do not apply coating in areas where dust is being generated or will be generated while the material is drying.
  4. See Section S01900 for requirements regarding fumes, ventilation and Material Safety Data Sheets.
- B. Protection
  1. Protect all surfaces adjacent to area to be coated.
  2. Provide precautions recommended by the product Manufacturer in handling and applying product, for protection of applicators and others in vicinity of the Work.

#### **1.08 CONTRACTOR'S WARRANTY**

- A. The Contractor shall provide a written warranty covering the following defects for a period of one year from date of acceptance, Blistering, peeling, crazing, alligatoring, streaking, staining or chalking of the graffiti resistant coating.
  1. Correct all defects, appearing within the warranty period, by removal of the defective work and replacement as directed.
  2. All corrective measures shall be the Contractor's responsibility, and shall be made at no extra cost to the Authority.

#### **1.09 MANUFACTURER'S WARRANTY**

- A. In addition to the Contractor's guarantee the manufacturer of the graffiti resistant coating shall furnish a written one (1) year warranty for the materials specified in this Section, in a form acceptable to the Authority. The warranty shall include but not be limited to defects in materials

or workmanship. The manufacturer shall warrant that the graffiti resistant coating shall protect the treated surfaces from graffiti defacement, chemical staining and normal environmental effects for a period of one (1) year from date of acceptance. Submit form of warranty for approval before commencing work.

## **1.10 MAINTENANCE**

- A. Graffiti Removal Products - Extra Materials:
  - 1. Provide any special products required for graffiti removal from the selected coating system.
  - 2. Manufacturer's suggested materials for removal of Graffiti to the Authority's Representative (to be transferred to the custodian). Include manufacturer's instructions for use.
  - 3. The Manufacturer's suggested materials for removal of Graffiti shall be provided to the Authority's Representative as indicated below (to be transferred to the custodian). Include manufacturer's instructions for use.
  - 4. Provide enough graffiti removal products to remove graffiti from 25% of the installed area of graffiti resistant coatings.
  - 5. Provide enough graffiti resistant coating to the Authority's Representative to re-coat an area equal to 25% of the original installed area of Graffiti Resistant Coating.

## **PART 2 PRODUCTS**

### **2.01 MANUFACTURERS**

- A. Subject to compliance with the specified requirements, provide one of the following graffiti resistant coating systems:
  - 1. "Defacer Eraser SC-1 Sacrificial Coating" as manufactured by ProSoCo, Inc., Kansas City, KS 66117.
  - 2. "Omegaseal 333-L" as manufactured by Diedrich Technologies, Inc., Milwaukee, WI 53154
  - 3. "Graffiti-Pruf" as manufactured by Visual Pollution Tech, Inc. Scottsdale, AZ 85267

### **2.02 MATERIALS**

- A. Graffiti Resistant Coatings shall be water based, sacrificial, breathable, non-yellowing, UV resistant and VOC compliant with N.Y.S. Department of Environmental Conservation - Part 205 on "Architectural Surface Coatings" - for (VOC) Volatile Organic Compounds.
- B. Characteristics:
  - 1. Specific Gravity: Minimum of .084
  - 2. Flash Point: Minimum 200 degrees F.
  - 3. Moisture Vapor Permeability: ASTM E-96, 10-14 perms
  - 4. Ph factor: Neutral
- C. Finish: Matte, unless otherwise noted.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Do not commence work of this section until surfaces to be coated are acceptable. Notify the Architect if the surfaces are not acceptable to receive the coating.

### **3.02 PREPARATION OF SURFACES**

- A. All surfaces shall be dry, clean, free of dust, grease, efflorescence, foreign matter and all other contaminants that would adversely affect the adhesion, finish appearance and protective properties of coating. Do not apply if rain is forecast within 24 hours.
- B. New masonry should be cured for a minimum of thirty (30) days before application of coating. Moisture content should be no higher than 15% as registered on an electronic moisture meter or as required by the manufacturer.
- C. Prepare surfaces in accordance with the coating Manufacturer's recommendations.

- D. For existing buildings, remove existing graffiti, before applying new coatings in accordance with Manufacturer's instructions.

**3.03 MIXING**

- A. Mix components of coatings as recommended by the Manufacturer.

**3.04 APPLICATION**

- A. Apply coatings on surface indicated on drawings in a completed graffiti resistant coating system.
- B. Provide coverage of coatings (sq. ft./gal.) for particular surface type in accordance with recommendations of the Manufacturer and as required for proper coverage.
- C. Protect adjacent surfaces not scheduled to receive coating from contact with Graffiti Resistant Coating.

**3.05 ADJUSTING AND CLEANING**

- A. Remove and replace all surfaces which have been damaged or improperly applied.
- B. Completely remove from areas of Work all waste materials, rubbish, scaffolding and debris resulting from the Work performed under this Section. Dispose of all waste materials in accordance with New York State and New York City environmental requirements.

**3.06 TRAINING**

- A. Provide training of the application of the graffiti resistant coating and the removal of graffiti. Schedule training with the personnel through the Authority, with at least 7 days' advance notice.

**END OF SECTION**