

## SECTION 09 96 33

### GRAFFITI-RESISTANT COATINGS

#### PART 1 - GENERAL

##### 1.01 SECTION INCLUDES

- A. Graffiti-resistant coatings.

##### 1.02 MEASUREMENT AND PAYMENT

- A. General: Graffiti-resistant coatings will not be measured separately for payment but will be paid for as part of the Contract lump sum price for Architectural Work.

##### 1.03 SUBMITTALS

- A. General: Refer to Section 01 33 00 - Submittal Procedures, and Section 01 33 23 - Shop Drawings, Product Data, and Samples, for submittal requirements and procedures.
- B. Samples: Submit samples of stone, masonry, and concrete (as proposed for the project), 8 inches by 10 inches in size, of the prime and finish coatings.
- C. Manufacturer's Data: Submit manufacturer's product data, including coatings' analysis and performance, and application instructions. Include manufacturer's recommended graffiti-removal procedures and products.

##### 1.04 QUALITY ASSURANCE

- A. VOC Regulations: Graffiti-resistant coatings shall comply with the Bay Area Air Quality Management District regulations governing permissible content of volatile organic compounds (VOC).
- B. Manufacturer's Qualifications: Graffiti-resistant coatings shall be furnished by a manufacturer specializing in the manufacture of graffiti-resistant coatings.
- C. Applicator's Qualifications: Graffiti-resistant coatings shall be applied by a licensed applicator approved by the manufacturer who furnishes the materials.
- D. Coating Manufacturer's Approval and Job Service:
  - 1. Contractor shall provide the graffiti-resistant coating manufacturer's field services for inspection and approval of coating applications.
  - 2. The Contractor shall make all necessary arrangements with the coating manufacturer to provide on-site consultation and inspection services to ensure the proper application and completion of the graffiti-resistant coatings system.
  - 3. The coating manufacturer's representative shall be present at the time any phase of the work is started. Graffiti-resistant coatings shall be applied only over surfaces previously approved by the coating manufacturer's representative.

**1.05 MOCK-UP**

- A. Before beginning coatings' applications, provide sample mockup applications, measuring 3 feet by 4 feet each, at inconspicuous locations, on each different substrate. Coordinate mockup location with the Engineer for the Engineer's review and testing.

**1.06 PRODUCT DELIVERY, STORAGE, AND HANDLING**

- A. Deliver materials to the project site in new, unopened containers with the following information: manufacturer's name, product data, and application instructions.
- B. Store materials and equipment in a properly ventilated, designated storage space on the site. Temperature of storage area shall not be less than 45 degrees F and shall not exceed 90 degrees F.

**1.07 SITE CONDITIONS**

- A. Apply coatings only when the temperature of surfaces to receive coatings and surrounding air temperatures are between 50 degrees and 90 degrees F, unless otherwise permitted by the coating manufacturer's printed instructions.
- B. Do not apply coatings during periods of fog, mist, and rain, or when rain is imminent.

**PART 2 - PRODUCTS**

**2.01 GRAFFITI-RESISTANT COATINGS**

- A. Graffiti-resistant coatings, base or prime coat and finish coats, shall be a two-component, polymer-based, non-sacrificial product. The finished coating shall be stable, colorless, transparent, low sheen (satin or flat), water soluble product.
- B. Coatings shall be weather and rain resistant, abrasive resistant, peel resistant, ultra-violet resistant, non-yellowing, and shall permit moisture vapor relief.
- C. Graffiti-resistant coatings shall have the capability of having all types of paints and graffiti materials completely removed without damaging the uncoated surfaces to which they are applied. Coatings which require re-application in areas which have been repeated cleaned will be acceptable. Re-application shall not require removal of coating.
- D. Products required to remove graffiti from the coating shall be non-toxic and shall comply with the herein referenced VOC Regulations. Removal of graffiti shall cause no damage or change in the appearance of the treated surface.
- E. Coatings shall be products manufactured specifically for protection of surfaces against graffiti vandalism. Products require review and approval by the Engineer before they may be purchased for use in the work.

**PART 3 - EXECUTION**

**3.01 CONDITION OF SUBSTRATE**

- A. Examine the areas and conditions under which graffiti-resistant coating work is to be performed.
- B. Do not apply coating system over surface contaminants, such as dust, dirt, form oils, and loose substrate.
- C. Verify pH of concrete or masonry substrate is within coating manufacturer's requirements using test method acceptable to coating's manufacturer. Any action required to ensure pH of substrate is acceptable, including delaying application until substrate has further cured, shall be the responsibility of the Contractor.

**3.02 COATINGS PREPARATION AND MIXING**

- A. Prepare and mix materials in accordance with the coating manufacturer's instructions and recommendations.
- B. Remove any skins that form on surface of material prior to moving containers, mixing, or using.
- C. Stir materials before application to produce a mixture of uniform density, and stir as required during application. Do not stir surface film into material. Remove film and, if necessary, strain material before using.

**3.03 APPLICATION**

- A. Prepare surfaces and apply coatings in accordance with the coating manufacturer's application instructions and recommendations. Apply coatings in thickness and sequence of coats as recommended by the coating manufacturer.

**END OF SECTION 09 96 33**