

SECTION 09 96 23 - GRAFFITI-RESISTANT COATINGS

PART 1 - GENERAL

1.1 SUMMARY

- A. Description: Provide Graffiti Resistant Coatings, as shown and specified per Contract Documents.

1.2 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
- B. Samples: General: Submit specified colors for each surface-finishing product.
 - 1. Field Samples:
 - a. General: In place, on material scheduled to be finished, illustrating coating color, texture and finish. Locate where directed; accepted sample may remain as part of the Work.
 - b. Size: One (1) entire unit as scheduled to be finished
- C. Product Data: Submit manufacturer's specifications, data, and installation instructions for review.
- D. Certificates: Submit statement of VOC compliance with state and local regulations.
- E. Closeout:
 - 1. Extra Stock: Deliver one percent (1%) or a minimum of five (5) gallons of each color, type and surface texture of paint installed. Label each container with color, type, texture and location.
 - 2. Guarantee:
 - a. General: Provide, in required form, for a period of one (1) year from date of final acceptance by Owner.
 - b. Criteria: Color and finish appearance shall remain unchanged throughout entire guarantee period.
 - c. Provide manufacturer's warranty
 - 3. Maintenance Data: Manufacturer's instructions.

1.3 QUALITY ASSURANCE

- A. General: Refer to Section 01 43 00 – Quality Assurance.
- B. References:
 - 1. American Society of Testing Materials (ASTM):
 - a. D 1653 Method B, Condition A, - Test method to determine perm rating.
 - b. D3960-93 - Practice for determining volatile organic compound content.

- C. Qualifications: Installer specializing in the work of this Section with minimum three (3) years documented experience.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Delivery
 - 1. Schedule delivery of materials at the site at such time as required for proper coordination of the work. Receive materials in manufacturer's unopened packages and bearing manufacturer's label.
- B. Storage:
 - 1. General: Store materials in a dry and properly ventilated separate structure not less than 50'-0" from any other structure on the site. Adequately protect from damage and exposure to the elements.
 - 2. Temperature: Maintain minimum of 45 degrees F and a maximum of 90 degrees F.
 - 3. Fire Prevention: Take necessary precautions to prevent fire; remove paint-soiled rags and waste from building each day or store in metal containers with covers in the paint storage structure.

1.5 PROJECT/SITE CONDITIONS

- A. Contractor shall be responsible for repairing damaged masonry prior to application of anti-graffiti coating.
- B. Repairs shall be made by qualified mechanics skilled in the type of repairs required, to the satisfaction of the owner's representative.
- C. Cover air intakes, air conditioning vents and similar openings that may come in contact with the anti-graffiti coating and residues fumes. Leave covers in place until application of anti-graffiti coating is completed in the area.
- D. Protect trees, plants, foliage, storm sewers, and surrounding surfaces from anti-graffiti coating.
- E. Take appropriate precautions to avoid harm to building occupants, pedestrians and nearby property. Terminate work when wind drift may cause contact with passerby or vehicles and adjacent property.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Graffiti resistant coating unpainted stone:
 - 1. Manufacturers:
 - a. Cathedral Stone, 7266 Park Circle Drive, Hanover, MA, 21076, Tel: 410-782-9150, www.cathedralstone.com
 - 1) R97 Water Repellent - two coats must be applied for product to perform as a graffiti resistant coating

- b. Ecological Coating, PO Box 4202, Clifton Park, NY 12065, Tel: (518) 383-9585, www.ecologicalcoatings.com
 - 1) EC-1820 Waterborne Clear Anti-Graffiti Coating, Satin Finish
 - c. Or approved equal.
 - 1) Approved equal product must dry clear with no milky or cloudy appearance.
 - 2) Approved equal product permeability data must be provided to Engineer for review
 - 2. Color: Clear
- B. Graffiti resistant coating unpainted concrete:
 - 1. Manufacturers:
 - a. PROSOCO, Inc., 3741 Greenway Circle, Lawrence, KS 66046. Phone: (800) 255-4255; Fax: (785) 830-9797. E-mail: CustomerCare@prosoco.
 - 1) Block-Guard & Graffiti Control Ultra
 - b. Or approved equal.
 - 1) Approved equal product must dry clear with no milky or cloudy appearance.
 - 2) Approved equal product permeability data must be provided to Engineer for review
 - 2. Color: Clear
- C. Graffiti resistant coating for painted concrete walls:
 - 1. Manufacturers:
 - a. Ecological Coating, PO Box 4202, Clifton Park, NY 12065, Tel: (518) 383-9585, www.ecologicalcoatings.com
 - 1) EC-1700 Pigmented Anti-Graffiti Coating, Satin Finish
 - b. Or approved equal.
 - 2. Color: color is to be selected by Engineer from manufacturers' standard colors.

2.2 MIXING

- A. General: Mix per manufacturers' instructions.

PART 3 - EXECUTION

3.1 PERFORMANCE

- A. Product Handling:
 - 1. Delivery: Schedule delivery of materials at the site at such time as required for proper coordination of the work. Receive materials in manufacturer's unopened packages and bearing manufacturer's label.
 - 2. Storage: Store materials in a dry and well ventilated place, adequately protected from damage and exposure to the elements.

3.2 PREPARATION

- A. Environmental Requirements: Do not apply when temperature is below 40 Degrees F.

- B. Examination: Examine conditions of work in place before beginning work; report defects.
- C. Storage:
 - 1. General: Store in properly ventilated separate structure not less than 50'-0" from any other structure on the site.
 - 2. Temperature: Maintain minimum of 45 degrees F and a maximum of 90 degrees F.
 - 3. Fire Prevention: Take necessary precautions to prevent fire; remove paint-soiled rags and waste each day or store in metal containers with covers in the storage structure.
- D. Protection: Protect adjacent surfaces not scheduled for graffiti resistant finish from damage resulting from coating operations.
- E. Surface Preparation: Prepare surfaces in strict compliance with manufacturer's instructions.

3.3 INSTALLATION

- A. General: Install in conformance with referenced standards, manufacturer's written directions, as shown, and as specified.
- B. Graffiti Resistant Coating:
 - 1. General: Apply minimum two (2) coats; allow adequate drying time between coats.
 - 2. Dry Film Thickness: Minimum 1-2 mils per coat; minimum 3 mils for 2 coat application.

3.4 CLEANING

- A. General: Keep premises free from accumulation of waste and rubbish. At the completion of work remove surplus materials, rubbish, and debris.

END OF SECTION