

SECTION 09950

GRAFFITI-RESISTANT COATING

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Section includes liquid-applied sacrificial surface sealer for concrete that will prevent penetration of staining mediums and allow easy removal and reapplication.

1.02 COATING REQUIREMENTS

- A. The coating shall not darken, stain, or discolor substrate surfaces.
- B. The coating shall be non-yellowing.

1.03 SUBMITTALS

- A. Product Data: Manufacturer's literature describing product specifications, installation procedures, and general recommendations for specified coating materials.
 - 1. Include instructions and recommendations for cleaning and preparation of concrete surfaces, coating and recoating application techniques, equipment to be used, coverage rates, accessory materials, and special removal procedures.
 - 2. List material and cross-reference the specified coating, finish system, and application. Identify material by manufacturer's catalog number and general classification.
 - 3. Certification by manufacturer that products supplied comply with local air quality control regulations for volatile organic compounds (VOCs).
- B. Samples: Submit 8-inch x 10-inch samples of substrate to receive graffiti-resistant coating, with coating applied to half of each sample.
- C. Quality Control: Letter documenting work has been applied in compliance with specifications and manufacturer's written instructions and that specified field testing has been satisfactory.

1.04 QUALITY ASSURANCE

- A. VOC Regulations: Graffiti-resistant coatings shall comply with the latest regulations of the Bay Area Air Quality Management District (BAAQMD) 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: Application shall be by an applicator certified by the manufacturer who has a minimum of 3 years successful experience in application of similar graffiti-resistant coatings.
- D. Coating Manufacturer's Approval and Job Service:
 - 1. The coatings manufacturer shall inspect and approve coating applications and shall provide field services as part of the Work.
 - 2. Make all necessary arrangements with the coatings manufacturer to provide on-site consultation and inspection services to ensure the proper application and completion of the graffiti-resistant coating system.
 - 3. The coating manufacturer's representative shall be present at the time any phase of the work is started. Coatings shall be applied only over surfaces previously approved by the coating manufacturer's representative.

1.05 MOCK-UP

- A. Where directed by the Engineer, an area 3 feet x 4 feet of each different concrete substrate shall be treated with full coat finish and evaluated for product adhesion, compatibility, and for acceptability of the appearance of the treated surfaces.
- B. Application shall not continue unless each mock-up is acceptable to the Engineer.

1.06 DELIVERY, STORAGE AND HANDLING

- A. Deliver and store materials in the manufacturer's unopened containers labeled with the manufacturer's name and address and the date of manufacture.
- B. Store materials as recommended by manufacturer at site in a protected location, and away from flame and at temperatures between 45 and 90 degrees F.

1.07 SITE CONDITIONS

- A. Apply coatings only when temperature of surfaces to receive coatings and surrounding air temperatures between 45 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.

1.08 EXTRA STOCK FOR MAINTENANCE

- A. At completion of the Work, deliver to the Engineer 10 gallons of specified graffiti application solution, and 10 gallons of the cleaning and removal solution.
- B. Stock shall be in factory sealed and clearly labeled containers.
- C. Stock shall be delivered and stored as directed by the Engineer.

1.09 WARRANTY

- A. Provide one year warranty, or manufacturer's warranty, whichever is longer.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Prosoco or Engineer approved equal.

2.02 MATERIALS

- 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 (flat), water soluble product.
 - 1. Prosoco Sure Klean Weather Seal "Blok-Guard & Graffiti Control II", or Engineer approved equal.
- 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.
 - 1. Removal and Cleaning System: Prosoco Defacer Eraser Graffiti Wipe.
- D. Products required to remove graffiti from the coating shall be non-toxic and shall comply with the local VOC regulations. Removal of graffiti shall cause no damage or change in the appearance of the treated surface.

2.03 ACCESSORIES

- A. Application Equipment: Medium-to-large capacity airless sprayer and hoses or other equipment as recommended by the manufacturer.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Coating manufacturer's representative shall verify that surfaces are dry, clean, and free of dust, dirt, grime, oils, alkali or acid residues, and other contaminants or compounds unacceptable to the graffiti-resistant coating manufacturer.
- B. Only apply coating system over surfaces approved by coating manufacturer's representative.

3.02 PREPARATION

- A. Clean and prepare substrates in accordance with graffiti-resistant coating manufacturer's instructions.

- B. Test for alkalinity and moisture content in accordance with manufacturer's instructions to ensure that surface is sufficiently dry. If surfaces are sufficiently alkaline to cause the finish coats to blister and burn, correct this condition as recommended by manufacturer before application.
- C. Protect adjacent surfaces not to receive coating from spillage or blow-over.
- D. Avoid wind drift to adjacent surfaces.
- E. Cover adjoining and nearby surfaces of metal and glass as required.
- F. Prepare and mix materials in accordance with the coating manufacturer's instructions and recommendations. Do not dilute or alter.

3.03 APPLICATION

- A. Apply graffiti-resistant coating in accordance with manufacturer's application instructions and recommendations.
- B. Apply in thickness and sequence of coats as recommended by coating manufacturer for number of required coats.
- C. Completed Work: Match approved samples for texture and coverage. Recoat work not complying with specified requirements.

3.04 FIELD TEST

- A. In the presence of the Engineer, apply and remove graffiti-resistant coatings to the satisfaction of the Engineer.
- B. The coating manufacturer's representative shall be present and provide written acceptance of the graffiti removal test.

3.05 CLEANING

- A. Avoid runs or applying coating too heavily as this will impair transparency of cured material. Excessive coating will turn milky when it gets wet after curing.
- B. Runs or sags on concrete surfaces shall be immediately brushed out using a clean soft brush.
- C. Clean spillage from horizontal surfaces immediately after spillage.
- D. Remove temporary protective wrappings after coating operations.
- E. Provide "WET PAINT" signs to protect newly coated finishes.

END OF SECTION