

SECTION 563
ANTI-GRAFFITI COATING SYSTEM

563-1 Description.

Apply anti-graffiti coating system to the areas shown in the plans. Perform the painting in accordance with this Section, using materials meeting the requirements of 975-9.

Use compatible anti-graffiti coating system components as recommended by the manufacturer which are currently listed on the Department's Qualified Products List (QPL).

563-2 Application.

563-2.1 General: Apply an anti-graffiti coating or coating system as specified in the Contract Documents in accordance with manufacturer's recommendations and as specified herein, when the ambient temperature is between 40° and 90°F, and the surface temperature is between 50° and 85°F and rising.

Ensure all concrete has cured a minimum of 30 days before applying anti graffiti coating.

Do not apply coating when precipitation is expected within 12 hours of the completion of application or the relative humidity is above 88%.

563-2.2 Protection of Adjacent Surfaces: Consider wind direction, velocity and geographic location as having a major impact on all cleaning and anti-graffiti coating operations. If conditions are such that material is dispersed to areas where vehicles or other property may be damaged, suspend operations until conditions improve enough to permit work without damage.

Protect all surfaces not intended to be coated, which are adjacent to, or in close proximity to the surfaces to be coated, during the application of anti-graffiti coating. Clean surfaces that are to be coated, as per manufacturer's recommendation. Use all necessary precautions to prevent materials from cleaning and anti-graffiti coating operations being dispersed outside the work site.

563-2.3 Surface Preparation: Prepare all surfaces to be coated in accordance with 560-15 and the manufacturer's recommendation for the following requirements:

- Surface Cleaning Concrete Unit Masonry for Coating.....ASTM D 4261
- or
- Surface Cleaning Concrete for CoatingASTM D 4258
- Testing pH of cleaned concrete surfaceASTM D 4262
- Moisture in concreteASTM D 4263

When the anti-graffiti coating or coating system is to be applied over an existing coating, conduct a test patch in accordance with 560-15.

563-2.4 Base Coat: Apply the base coat, if part of the system, as recommended by the manufacturer.

Unless otherwise specified by the manufacturer, ensure the cured base coat has a minimum dry film thickness of 4.0-8.0 mils.

563-2.5 Finish Coat Non Sacrificial and Sacrificial: When applicable, ensure the base coat surface is clean and cured to a dry hard state according to the

manufacturer's recommendation before applying the finish coat. Mix finish coat and apply in accordance with the manufacturer's recommendations.

Ensure the cured finish coat of the two coat system has a minimum dry film thickness of 2.5-5.0 mils.

Apply as many coats as necessary to provide a finish coat which is a uniform continuous film over the entire surface, free of pinholes, runs, sags, or any other deficiencies.

563-2.6 Correction of Deficiencies: Remove all coating identified by the Engineer as damaged or not meeting these Specifications, in accordance with the manufacturer's recommendations.

Prepare the surface and reapply the coating in accordance with the manufacturer's recommendations and as specified herein, at no additional cost to the Department.

563-2.7 Removal of Graffiti Before Acceptance: Remove all graffiti from areas receiving anti-graffiti coating, at no additional cost to the Department. Ensure all federal, state, and local environmental regulations are met when removing graffiti.

563-2.7.1 Finish Coat Non Sacrificial: Meet the manufacturer's recommendations for removal.

563-2.7.2 Finish Coat Sacrificial: Meet the manufacturer's recommendations for removal. Prepare the surface and reapply the sacrificial coating in accordance with the manufacturer's recommendations and as specified herein.

563-3 Method of Measurement.

The quantity to be paid for will be plan quantity, in square feet, of the area of anti-graffiti coating completed and accepted.

The area will be based on the surface area shown in the plans with no allowance for surface texture or variable depth surface profiles.

563-4 Basis of Payment.

Price and payment will be full compensation for all work specified in this Section, including furnishing and applying all materials to complete the anti-graffiti coating.

Payment shall be made under:

- Item No. 563- 3- Anti-Graffiti Coating (Sacrificial) per square foot.
- Item No. 563- 4- Anti-Graffiti Coating (Non Sacrificial) per square foot.