

**TEXTURED COATINGS OF AMERICA, INC.
(GUIDE SPECIFICATION)**

**GRAFFITI GARD IIIW-NON SACRIFICIAL
ANTI-GRAFFITI COATING SYSTEM**

**(Concrete, Brick, Stucco. Consult TEX•COTE®
Representative for other approved substrates.)**

475-1 Description

The work specified in this Section consists of furnishing and applying anti-graffiti coating to the exposed surfaces indicated in the plans. The work also includes preparation of the substrate prior to the application of the coating. Clear or pigmented anti-graffiti base coat and clear anti-graffiti finish coats shall be applied to all surfaces which are to receive the anti-graffiti coating.

475-2 Quality Assurance

475-2.1 Mock-up Test Surfaces: Prepare the test wall surfaces with anti-graffiti coating to represent the standard of texture and workmanship for the work. Coat the surface as specified herein and in accordance with the manufacturer's specifications. Allow the coating to cure, apply graffiti as directed by the Engineer, and then remove the graffiti. The cleaned surface shall remain undamaged and shall display no graffiti "shadows" or "ghosts". Do not apply the anti-graffiti coating to the work, described herein, prior to the sample surface being approved by the Engineer.

475-3 Submittals

475-3.1 Notarized Certificates of Compliance from the coating manufacturer for all coating products installed on work.

475-3.2 A list of all material used in the coating system, and all material safety data sheets.

475-4 Products

475-4.1 Base Coat: Use base coat formulated by anti-graffiti coating manufacturer for use with finish coating selected. Base coat shall be clear or pigmented water based material formulated for application over specified surfaces. Apply selected base coat material per manufacturer's technical data for specific substrate. Optional clear or pigmented base coat materials approved by the manufacturer for specific project conditions may be submitted to the engineer for approval.

475-4.2 Intermediate Finish Coat: Furnish finish coat as described below and apply over base coat to achieve a minimum 2.0 mil dry film thickness.

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475-4.3 Final Finish Coat: Furnish finish coat as described below and apply over intermediate coat to achieve an additional minimum 2.0 mil dry film thickness.

475-4.4 The two-component finish coats shall consist of an aliphatic urethane base and a catalyst hardener. And the mixture shall have the following minimum properties:

Solids by Volume.....	19 percent
Pot Life at 75°F.....	3 hours approx.
Color.....	Clear
Set to touch.....	1-2 hours
Maximum Cure.....	Approx. 36 hours depending on Temperature and Humidity

475-4.5 Ancillary Products: Provide ten gallons of graffiti remover of the type recommended by the coating manufacturer for use by the Department.

475-5 Surface Preparation

Ensure that the surface is free of graffiti and contaminants such as dust, dirt, form oil, grease, wax, curing compounds, grime and loose paint. Clean the surface by any of the following methods, as appropriate:

- (1) Waterblasting: Use water at a minimum pressure of 2,000 psi.
- (2) Steam cleaning: Use high, medium or low pressure depending on the condition of the surface.
- (3) Sandblasting: As required for a clean surface, remove sand with water rinse.
- (4) Cleaning solution: Scrub with a low residue, easily rinsed solution to remove all grease and wax build-up.
- (5) Solvent wash: Use an approved solvent to remove all existing graffiti before applying the Base Sealer.
- (6) Sand paper or wire wool: Lightly etch surface, then remove all residue.
- (7) Acid etch: Rinse with appropriate acid, then neutralize and rinse surface thoroughly.

Allow the surface to dry thoroughly for a minimum of 24 to 48 hours after rinsing.

475-6 Base Coat Application

- (1) Apply the base coat when the ambient temperature is between 45°F and 90°F, the surface temperature is between 50°F and 100°F, and the relative humidity is not greater than 70 percent.

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- (2) Ensure that surface is thoroughly clean and dry before applying base coat. (Concrete and mortar shall have cured for a minimum of 28 days before being coated.)
- (3) Mix base coat according to manufacturer's specifications.
- (4) Apply base coat by brush, roller or airless spray. Ensure that areas to be coated are adequately ventilated, and that operators are protected from exposure to fumes and chemicals. Comply with the base coat manufacturer's recommendations.

475-7 Finish Coat Application

- (1) Apply the anti-graffiti coats when the ambient temperature is between 45°F and 90°F, the surface temperature is between 50°F and 100°F, and the relative humidity is not greater than 70 percent.
- (2) Ensure that surface is thoroughly clean and dry before applying anti-graffiti coatings.
- (3) Apply anti-graffiti coatings by airless spray. Ensure that areas to be coated are adequately ventilated, and that operators are protected from exposure to fumes and chemicals. Comply with the Anti-Graffiti Coating manufacturer's recommendations.

475-8 Curing

The curing times shown below are based on a ambient temperature of 75°F, and shall be modified for variations in temperatures as recommended by the coating manufacturer.

<u>Stage</u>	<u>Cure Time Hours</u>
After surface preparation and before applying Base Primer	24-48
After Base Primer and before first Finish Coating	24
After Finish Coating and before graffiti removal	36

475-9 Clean Up

- A. Clean drippings, runs and smudges from the Finished Work surface with an appropriate solvent as recommended by the coating manufacturer.
- B. Allow 36 hour cure time prior to using Graffiti Remover to remove any graffiti applied to Finished Work.
- C. Provide 1 gallon kit of each finish coat per every 10,000 square feet of surface covered for repairs of minor damage to coating surface.