

XX009242 ANTI-GRAFFITI PROTECTION SYSTEM

Effective: June 7, 2011

Revised: May 4, 2020

Description: This work shall consist of furnishing, and applying an anti-graffiti coating on all exposed faces of concrete structures. The anti-graffiti coating shall be applied to the following exposed concrete surfaces:

List walls, planters, etc., to which the anti-graffiti coating will be applied. Delete this note from the Contract Specifications.

Materials: The anti-graffiti protection materials may be obtained from the following suppliers:

Rainguard International 1079 Culpepper Drive Conyers, GA 30094 Phone: (866) 989-5159 https://www.rainguard.com	Surtec, Inc. 1880 N MacArthur Drive Tracy, CA 95376 Phone: (209) 820-3700 http://www.surtecsystem.com	United Coatings 1465 Pipefitter Street Charleston, SC 29405 Phone: (855) 817-3082 http://www.guest-cp.com/trusted-brands/unitedcoatings
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General: The anti-graffiti protection system shall consist of a permanent, color stable, UV, stain, chemical and abrasion resistant coating. The coating shall be applied according to the Manufacturer's specifications:

PART 1 GENERAL

SECTION INCLUDES: Clear anti-graffiti coating for exterior surfaces.

SYSTEM DESCRIPTION:

- A. To provide a tough and durable Anti-Graffiti Coating finish. A cross-linking co-polymer material coating that dries clear, non-yellowing with low-luster sheen.
- B. All products VOC – Used materials shall contain no more than 95 grams per liter VOC.

SUBMITTALS:

- A. Product Data: Manufacturer's current technical data sheets for materials, and schedule indicating:
 - 1. Recommended waterproof coating serving as base layer of system
 - 2. Number of coats required for subsequent coating types

- B. Manufacturer's field reports: Indicate installation procedures, coverage, quantities, progress, unacceptable conditions and methods of resolution.
- C. Maintenance Data: Provide Manufacturer's recommended maintenance procedures, including instructions for graffiti removal, recommended procedures for re-application of intermediate coatings and periodic maintenance of coating.

QUALITY ASSURANCE:

- A. Test Section(s): Before full-scale application, the product shall be applied to a test section.
 - 1. Review Manufacturer's product data sheets to determine suitability of each product for each surface.
 - 2. Apply products using Manufacturer-approved application methods, determining actual requirements for surface preparation, coverage rate, number of coats, and application procedures.
 - 3. After 48 hours, review effectiveness of protection, compatibility with substrates, and ability to achieve desired results.
 - 4. Obtain the approval of the Engineer of workmanship, color, and texture before proceeding with work.
 - 5. Test Section(s): Inconspicuous sections of actual construction.
 - a. Location and number: As selected by Engineer
 - b. Size: Approximately two square feet
 - c. Repair unacceptable work to the satisfaction of the Engineer
- B. Pre-Installation Meetings:
 - 1. Before Application: The Contractor and the Manufacturer's representative shall inspect surfaces to be treated, noting in writing to the Engineer deficiencies or flaws in the substrate construction which would affect the performance or appearance of the coating.
 - 2. Beginning of Application: The Manufacturer's representative shall assure utilization of proper equipment verify material quantities, and supervise material application techniques.
- C. The Contractor shall comply with recommendations and instructions set forth by Manufacturer as part of Manufacturer's service in addition to complying with the terms of the warranty.
- D. Installer Qualifications: Minimum 5 years of experience regularly engaged and specializing in the application of specialty surface treatments to exterior wall substrates.

- E. Do not proceed with material application until all deficiencies noted in pre-application inspection report have been corrected.
- F. Notify the Manufacturer at least 72 hours before starting application.

DELIVERY, STORAGE, AND HANDLING:

- A. Deliver materials in original sealed containers clearly marked with Manufacturer's name, type of material, and batch number.
- B. Inspect the materials upon delivery to assure that specified products have been received.
- C. Store materials where temperatures are not less than 45 degree F.
- D. Use all means necessary to protect material before, during, and after installation, and to protect work of other trades.

ENVIRONMENTAL REQUIREMENTS:

All materials shall comply with current Federal and State environmental requirements. Used materials shall contain no more than 95 grams per liter VOC.

WARRANTY:

- A. Manufacturer shall provide a written warranty for 5 years to include materials only, when said materials are applied in accordance with manufacturer's guidelines. Please refer to manufacturer for warranty policy.
- B. Before final application for payment will be approved, final closeout submittals shall include the written manufacturer's warranty.

PART 2 PRODUCTS

MATERIALS: Please refer to manufacturer's published data bulletins for applications and installation recommendations.

VandlGuard Non-sacrificial

5 Year material only warranty

PART 3 EXECUTION

EXAMINATION:

- A. Verify that surfaces to be coated are in proper condition.
 - 1. New substrates: Cured 30 days before application.
 - 2. Cured substrates: Allowed to dry three to seven days following rainfall before application.
 - 3. Substrate moisture content no higher than 15 percent as registered on an electronic moisture meter.
- B. Do not apply to surfaces below 45 degrees F or above 90 degrees F. Do not apply in the direct sun.
- C. Where freezing conditions have existed before application, allow adequate time for building to thaw.
- D. Do not begin until the test section(s) has been approved by Engineer.

PREPARATION:

- A. Remove dirt, dust, oil, grease, and other contaminants that would interfere with penetration or performance of products; where cleaners are required, use products recommended by Manufacturer; rinse thoroughly and allow surface to dry completely.
- B. Surfaces shall be structurally sound, dry, clean and free of dust, dirt, grime, oil, scale, rust, silicones, curing compounds, alkali, add residues, etc...
- C. Prevent overspray, wind drift and splash onto surfaces not to be treated.
- D. Protect windows and work of other trades against damage by coatings, whether to be coated or not.
- E. Protect plant life against damage from coatings.

APPLICATION:

- A. Apply materials according to the Manufacturer's recommendations and when substrate surface temperature is above 45 degrees F. Follow instructions in Manufacturer's current technical data sheet for general information and coverage rates.
- B. Mix materials according to the Manufacturer's instructions; do not dilute unless permitted by Manufacturer.

- C. Spray apply water repellent using high-volume, low-pressure spray equipment. Pressure not to exceed 60 psi. A Hudson or garden-type sprayer can be used for small applications.
- D. Clean all drips, runs, and overspray residue while still wet.
- E. Allow coating to dry and become clear before applying subsequent coats. Achieve a uniform pinhole free, continuous film.
- F. During process of work, remove discarded coating materials, rubbish, cans, and rags at end of each workday.

FIELD QUALITY CONTROL:

Request the Manufacturer's authorized field representative to verify that installed products comply with Manufacturer's requirements and with the standards established by the test section(s) approved by the Engineer.

ADJUSTING, CLEANING AND PROTECTION:

- A. Upon completion of work, remove protective coverings.
- B. If surfaces that should have been protected from damage by this work have been damaged; clean, repair or replace to the satisfaction of the Engineer.
- C. Repair or replace damaged treated surfaces.
- D. Protect completed work from damage during construction.

Method of Measurement: This work will be measured for payment in place and the area covered by the anti-graffiti protection system shall be calculated in square feet.

Basis of Payment: This work will be paid for at the contract unit price per square foot of ANTI-GRAFFITI PROTECTION SYSTEM. *The unit price shall include all labor, equipment and materials required to furnish and apply the anti-graffiti coating to the designated surfaces. The unit price shall also include supplying the Manufacture's technical representative and preparing the warranty application.*