SECTION 09860
ANTI-GRAFFITI COATINGS

PART 1 – GENERAL

1.1 Summary:

a. Section includes Graffiti Resistant Coatings

b. Related Sections: Section 09900 - Painting: Applicable preparation and application requirements.

1.2 Submittals:

a. Product Data

In accordance with the provisions of Section 01340, submit complete manufacturer's literature and specifications. Include complete lists of materials proposed for use, giving the manufacturer's name, product numbers, and product information sheets for each specified item (four copies).

b. Samples

When specified system requires that the graffiti resistant coating be applied over a paint color, submit sample of system showing each coat. The architect will use this sample to approve color.

c. Application and Safety

d. Submit the manufacturer's recommended methods of installation, including limitations, safety and environmental cautions, material safety data sheets, and application rates.

1.3 Quality Assurance

a. Qualifications

b. Use products by manufacturers regularly engaged in manufacturing of this product and with a history of at least three successful applications within the last three years.

c. Use skilled workers who are thoroughly trained and experienced and who are complete familiar with the specified requirements and methods.

1.4 Regulatory Requirements

Comply with applicable codes and regulations. All products must comply with current VOC requirements for the air quality management district where application takes place. Where those requirements conflict with this Specification, comply with the more stringent provisions.

1.5 Field Samples

Apply the system as specified in a designated area in accordance with Section 01340. This will serve as an indication that applicator can provide acceptable results and will be used as the standard for the rest of the work.

1.6 Delivery, Storage, and Handling

a. Acceptance at Site

Materials shall be delivered to Project in original containers, complete sealed and bearing name of coating contained therein.

b. Storage and Protection

Use all means necessary to protect the materials of this Section before, during, and after installation.

1.7 Project Conditions

a. Project Conditions

Do not apply coatings when surface temperature is more than 90l ·F in the shade, or when the relative humidity is more than 70 percent. Do not apply coating when adverse weather conditions are imminent.

PART 2 – PRODUCTS

2.1 Manufacturers

Design is based on products manufactured by Dunn-Edwards Corporation, Los Angeles, CA (800) 537-4098 and Okon, Inc., Lakewood, CO. Okon products are distributed by Dunn-Edwards Corporation or equal.

2.2 Materials

a. Clear Finish Over Paint Color
1. Primer as recommended for substrate. Finish coat shall be 100% acrylic in composition.
2. Clear Finish. A two component aliphatic urethane polyester based mixture.

d. Clear Finish Over Concrete, Brick, and Stone

1. Waterborne sealer with an active solids content of 5%.
2. Clear Finish. A two component aliphatic urethane polyester based mixture.

e. Clear Finish Over Block Masonry Types
1. Waterborne sealer with an active solids content of 10%
2. Clear Finish. A two component aliphatic urethane polyester based mixture.

2.3 Colors and Quantities

a. Check with manufacturer as to the ability to match selected colors.

b. Product may not be available in small quantities

c. Finish paint colors containing organic yellow colorants will bleed. Avoid selecting these colors.

PART 3 – EXECUTION

1.1 Examination:

a. Verification of Conditions

Prior to the commencement of the Work of this Section, examine the installed work of other trades and verify that all such work is completed or properly corrected to the points where this installation may properly commence. Commencement of work will indicate that applicator has accepted the conditions.

1.2 Preparation:

a. Protection

Protect and cover finished work and materials of all other traded that may be affected by work of this Section during coating application. Protect all surrounding vegetation and adjacent areas from overspray.

1.3 Surface Preparation

Substrates to receive sealers or primers prior to graffiti resistant coatings must be cleaned of all dirt, bondbreakers, and all other foreign materials that will adversely affect the required appearance of the finished product.

Power wash all surfaces in accordance with manufacturer's recommendations.

1.4 Application:

a. General

1. Apply primers, paints, and coatings in strict accordance with the manufacturer's recommendations as accepted by the Architect or Landscape Architect.
2. The number of coats specified is the minimum that will be applied. Apply additional coats when undercoats, stains, or other conditions show through final paint coat, until paint film is of uniform color and appearance.
3. When additional coats of the graffiti resistant coating are required, allow no more than 48 hours between coats.
4. Apply a total dry film thickness of not less than 1.2 mils for primers and paint finishes and not less than 1.5 mils for graffiti resistant coatings.

1.5 Cleaning, Touch-Up, and Refinishing

a. General

1. Carefully remove all splatters, spots, and blemishes caused by work of this Section.
2. Upon completion of the work, remove all rubbish, cans, and accumulated materials. All areas must be left in a clean and orderly condition.
3. Runs, sags, misses, holidays, stains, and other defects in the coated surfaces, including inadequate coverage and mil thickness will be satisfactorily touched-up or refinished.

1.6 Removal of Graffiti

a. Gramover Graffiti Remover, a water soluble solvent.

1.7 Curing of Polyurethane Enamels.

a. Seven to ten days curing time required in order for coating to resist graffiti

1.7 Finish Schedule:

a. Stucco, Concrete, Brick (Clear Gloss over Paint)

One Coat	EFF-STOP, Concrete Sealer (W 709)
One Coat	EVERSHIELD, Exterior Masonry Finish (W 701)
One Coat	ULTRASHIELD, Clear Polyurethane Enamel (IP 631)

b. Block Masonry Types (Clear Gloss over Paint)

Filler	BLOCFIL, Prepared Block Filler, Latex (smooth) (W 305)
One Coat	EVERSHIELD, Exterior Masonry Finish (W 701)
One Coat	ULTRASHIELD, Clear Polyurethane Enamel (IP 631)

c. Stucco, Concrete, Brick, and Stone (Clear Gloss Finish)

One Coat	OKON, Masonry Sealer (W 1)
One Coat	ULTRASHIELD, Clear Polyurethane Enamel (IP 631)

d. Block Masonry Types (Clear Gloss Finish)

One Coat	OKON, Masonry Sealer (W 2)
Two Coats	ULTRASHIELD, Clear Polyurethane Enamel (IP 631)

e. Stucco, Concrete, Brick (Pigmented Finish)

One Coat	EFF-STOP, Concrete Sealer (W 709)
One Coat	ULTRASHIELD, Pig. Polyurethane Enamel (IP 630)

f. Block Masonry Types (Pigmented Gloss Finish)

One Coat - Filler	BLOCFIL, Prepared Block Filler, Latex (smooth) (W 305)
Two Coats	ULTRASHIELD, Pig. Polyurethane Enamel (IP 630)

END OF SECTION 09860