

SECTION 09985

MASONRY STAIN SYSTEM

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Masonry stain system, comprised of water repellent and masonry stain; exterior elevations.
- B. Masonry stain system, comprised of water repellent and masonry stain; interior elevations.
- C. _____.

1.2 RELATED SECTIONS

- A. Section 03300 - Cast-In-Place Concrete.
- B. Section 03400 - Precast Concrete.
- C. Section 04810 - Unit Masonry Assemblies.
- D. Section 07140 - Fluid-Applied Waterproofing.
- E. Section 07190 - Water Repellents.
- F. Section 07900 - Joint Sealers.
- G. Section 07920 - Joint Sealants.
- H. Section 09220 - Portland Cement Plaster.
- I. Section 09900 - Paints and Coatings.
- J. Section 09930 - Stains and Transparent Finishes.
- K. Section 09960 - High-Performance Coatings.
- L. Section 09980 - Coatings for Concrete and Masonry.
- M. Section _____ - _____.

1.3 SYSTEM DESCRIPTION

- A. Masonry stain system specified herein is a penetrating, permanent, non-fading liquid solution, resisting ultraviolet light degradation, flaking, or peeling from

the substrate, and allowing moisture vapor transmission. The system shall not appreciably change the masonry surface texture or leave a glossy finish.

- B. Liquid water repellents specified herein are clear, deep-penetrating, non-film forming, non-silicone, non-yellowing chemical solutions.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Three copies of manufacturer's current technical data sheets for materials.
- C. Samples:
 - 1. Opaque: One draw down of each specified color.
 - 2. Semi-Transparent: Substrate with two transparent variations.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum five years experience regularly engaged and specializing in the application of specialty surface treatments to exterior wall substrates.
- B. Pre-Installation Meetings:
 - 1. Before Application: Installer and Manufacturer's Representative shall inspect surfaces to be treated, noting in writing to the Architect, deficiencies or flaws in the substrate construction which would affect the performance or appearance of the masonry stain.
 - 2. Beginning of Application: Manufacturer's Representative shall assure utilization of proper equipment, verify material quantities, and supervise material application techniques upon a substantial wall section. This wall section shall act as a comparative standard for the project.
- C. Installer shall not proceed with material application until all deficiencies noted in pre-application inspection report have been corrected.
- D. Installer shall notify manufacturer no less than 3 days before starting application.

1.6 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 degrees F (7 degrees C).
- D. Use all means necessary to protect material before, during, and after installation, and to protect work of other trades.

1.7 ENVIRONMENTAL REQUIREMENTS

- A. Comply with current Federal and State environmental requirements.

1.8 WARRANTY

- A. Manufacturer Warranty: Supply materials manufacturer's warranty against water intrusion, flaking, or peeling.
 - 1. Warranty Period: Five years from date of Substantial Completion.
 - 2. Warranty Period: Ten years from date of Substantial Completion.
- B. Installer Warranty: Warrant workmanship for a period of two years from the date of Substantial Completion.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Rainguard Products Company;
3471 Via Lido, Suite 213, Newport Beach, CA 92663: ASD.
Tel: (888) 765-7070; Fax: (949) 675-3450; Website:
www.rainguard.com
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 MATERIALS

- A. Masonry Stain: Rainguard "Color-Lok opaque stain."

- B. Masonry Stain: Rainguard "Color-Lok semi-transparent" stain.
- C. Water Repellent: Rainguard "Blok-Lok with Micro-Lok" (V.O.C. compliant).
- D. Water Repellent: Rainguard "XS with Micro-Lok" (solvent base).
- E. Water Repellent: Rainguard "Regular" with Micro-Lok (V.O.C. compliant-water based).
- F. Water Repellent: Rainguard "Super" with Micro-Lok (V.O.C. compliant-water based).
- G. Water Repellent: Rainguard "HD" with Micro-Lok (solvent base).
- H. Water Repellent: Rainguard "STD" with Micro-Lok (solvent base).
- I. Water Repellent: Rainguard "STD-E" or "HD-E" or "XS-E" with Micro-Lok (V.O.C. compliant-solvent base).

PART 3 EXECUTION

3.1 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 in clear warm weather following rainfall before application.
 - 3. Substrate moisture content: No higher than 15 percent as registered on an electronic moisture meter.
- B. Verify that voids in masonry joints or joints found to be unsound or defective have been raked out and pointed with mortar to create a joint of full-face shell thickness.
- C. Where freezing conditions exist before application, allow adequate time for building to thaw.

3.2 PREPARATION

- A. Thoroughly clean substrates of foreign substances, such as dirt, efflorescence, and mortar spills.
 - 1. Use "dry" cleaning method where practicable.
 - 2. Allow three days minimum dry time in warm weather before applying material if wet cleaning method is utilized.
- B. Protect windows and work of other trades against damage by coating, whether to be coated or not.
- C. Protect plant life against damage from coatings.

3.3 APPLICATION

- A. Apply materials in strict accordance with manufacturer's recommendations and when substrate surface temperature is between 45 and 90 degrees F (7 and 32 degrees C).
 - 1. Follow instruction in manufacturer's current technical data sheet for general information and coverage rates.
- B. Spray apply water repellent using high-volume, low-pressure spray equipment; allow to cure 24 hours before application of masonry stain.
- C. Spray apply masonry stain using airless spray equipment.
- D. Clean all drips, runs, and overspray residue while still wet.

3.4 FIELD QUALITY CONTROL

- A. Manufacturer's Representative shall inspect all treated surfaces after work is complete to verify proper application.

3.5 ADJUSTING AND CLEANING

- A. If damage occurs, immediately make all repairs and replacements necessary at no additional cost to Owner.
- B. During process of work, remove discarded materials, rubbish, cans, and rags at end of each workday.
- C. Correct any damage by cleaning and repairing or replacing, as acceptable to Architect.

END OF SECTION