

PART I – GENERAL**WORK SPECIFIED HEREIN**

All labor, materials, equipment and services necessary to furnish and install the water repellent masonry stain on masonry units as indicated or specified.

SUBSTITUTIONS

In accordance with Section 01600.

SUBMITTALS

Unless otherwise noted, the contractor shall prepare all shop drawings, product literature, etc. only as required to properly coordinate and construct the project.

Review of submittals by the Professional of Record is limited to specific shop drawings as called for in the Project Manual.

QUALITY ASSURANCE

Application of water repellent masonry stain shall be by an approved applicator of the manufacturer. The application shall leave the finished surfaces uniform in color, and water repellent, and shall not alter the natural texture of the materials.

PRELIMINARY TEST:

Sealer manufacturer shall seal samples of masonry units and submit to the Professional of Record for his review both the aesthetics and effectiveness, accompanied with a letter stating the actual application rates required to meet the guarantee requirements.

RECOMMENDED METHOD-OF-INSTALLATION

Submit 3 copies of the current Method-of-Installation recommendations of the manufacturer of the waterproofing system. These recommendations shall become the basis for acceptance or rejection of actual installation methods used on the work. See Section 01340.

SAMPLES

The applicator shall apply clear waterproofing and stain to the masonry sample wall located at the job site. The purpose of this sample will be to observe color uniformity and intensity, the method of application, including workmanship techniques, and to water test surface after a 30-day period. Equipment to be used for actual application to building walls shall be used to apply materials to sample wall.

This sample, when accepted by the PETSMART Representative, will function as reference base for acceptance or rejection of color.

NOTIFICATIONS

A representative of the manufacturer shall be notified 48 hours in advance, and be present during job application. He shall also approve the wall and the suitability of the weather for application.

WARRANTIES

Upon completion of the installation, and as a condition of its acceptance, deliver in Closeout Documents a written warranty that the waterproofing installed will remain effective for a period of 5 years.

The applicator shall guarantee the installation against poor workmanship for a period of 2 years from the date of acceptance of the building by the Owner. He shall make all necessary repairs without charge to Owner during that period. Manufacturer shall guarantee material against moisture penetration for 5 years.

JOB CONDITIONS

Temperature and relative humidity conditions for a period before, during and after application shall be as recommended by the manufacturer. If rain occurs, allow surfaces to dry a minimum of 5 days.

PRODUCT DELIVERY, STORAGE AND HANDLING

Delivery shall be made to the job site in manufacturer's original containers with seals unbroken and labeled with manufacturer's batch number.

Store materials in original, unopened containers in compliance with manufacturer's printed instructions.

Use all means necessary to protect masonry stain before, during and after installation and to protect the installed work of other trades. In the event of damage, immediately make all repairs and replacements necessary to the approval of the Professional of Record and at no additional cost to the Owner.

PART II – PRODUCTS**CLEAR WATERPROOFING AND/OR STAIN**

All exposed exterior and interior masonry walls shall be sealed with RAINGUARD'S BLOK-LOK and stained with RAINGUARD'S COLOR-LOK or OKON PLUS COLOR Stain/Water Repellent System:

Rainguard Products Company	or	OKON Incorporation
3334 East Coast Highway #201		4725 Leyden St., Unit A
Corona Del Mar, CA 92625		Denver, CO 80216
(888) 765-7070		(303) 377-7800

COVERAGE

Bids will be based on manufacturer's minimum coverage rates based on permeability and surface area as determined in Preliminary Tests. At no time shall rate of coverage be less than detailed in manufacturer's technical data sheets.

Surface area to be increased by 1/4 to 1/2 or more when fluted block or other textured block is used.

EQUIPMENT

The Stain/Water Repellent System shall be applied by a low pressure or airless sprayer and shall be applied in accordance with manufacturer's recommendations.

PART III – EXECUTION

SURFACE CONDITIONS

Prior to all work of this Section, carefully inspect the installed work of other trades, and verify that all such work is complete to the point where this installation may commence, including all exterior caulking. The waterproofing manufacturer's representative shall verify to the Contractor that the waterproofing may be installed in accordance with the manufacturer's recommended methods and the original design. In the event of discrepancy, immediately notify the PETSMART Representative and proceed as he directs.

Concrete masonry walls shall be allowed to cure at least 30 days before clear waterproofing is applied, and the walls shall be free of excess mortar. Cracks, other than hair-line cracks, shall be pointed up. Defective mortar joints shall be routed out, pointed with mortar and tooled.

INSPECTION AND TESTING

The surfaces shall be inspected prior to the application of any waterproofing materials. The masonry surfaces shall be tested for moisture content using the "Electronic Moisture Register - Model B" (calibrated for concrete block). A minimum of one reading shall be taken for each 18 m² (200 square feet) of wall area and the results tabulated. The moisture content shall not exceed 15% on any surface prior to the waterproofing application.

WATERPROOFING

The waterproofing shall be applied with a light coat to break surface tension followed by a flood coat. Flood coat passes shall be made starting at base of the wall followed by overlapping passes going up the wall. The spray head should be held so that the fan will be vertical, with the head about 204 mm to 250 mm (8" to 10") from the surface so that the flood coat runs freely down the surface 152 mm to 204 mm (6" to 8") below the point of application. In all instances, spray by traveling horizontally to ensure uniform coverage. Overlap each following pass by approximately 50% (start each new section by holding the spray head centered on the bottom line of the previous pass). The surface should remain wet for a few minutes and damp for over one hour. Repeat the procedure on spots which absorb too quickly. When a second coat of sealer is required, allow to dry a minimum of 24 hours and apply material to saturation.

MASONRY STAIN

Application rates and method shall comply with manufacturer's recommendations.

WATER TEST

Twenty days after completion of this portion of the work, and as a condition of its acceptance, demonstrate by running water test that the work of this Section will successfully repel water.

PROCEDURE

- Notify manufacturer at least 72 hours in advance and conduct the test in the manufacturer's presence.

- By means of an outrigger or similar acceptable equipment, place 3/4" garden hose with garden type spray nozzle, at a point designated by the PETSMART Representative, if required, 8 to 10 feet away from the wall, aiming the nozzle so that water will strike the wall at a 45° downward angle.
- Run the water onto the wall at full available force for not less than 4 hours.
- Upon completion of the 4 hour period, inspect the interior surface of the wall for evidence of moisture penetration.
- If evidence of moisture penetration is discovered, apply an additional coat of the approved sealer material to the areas where leakage occurred, an additional area or areas shall be designated by PETSMART and tested and corrected for leakage if they occur, at no cost to the Owner.

END OF SECTION