

ACON SURFACE SEAL

WATERPROOFING AND PRESERVATIVE SOLUTION

Part 1 – GENERAL

1.01 SUMMARY

- 1 Furnish all labor, materials, equipment and incidentals to provide sealing and preserving existing brick, cast concrete and other masonry, where shown on the Drawings and/or as specified herein, and as needed for a complete and proper installation.
- 2 The owner shall provide temporary-electric service and potable water at no cost to Contractor/Applicator when available at the site.

1.02 REFERENCE STANDARDS

- 1 Adhesion (Bond) test for product shall conform to ASTM D-4541.
- 2 Product shall be VOC/VOS compliant

1.03 SUBMITTALS

- 1 Product data: Within 30 calendar days after the Contractor or Applicator (if separate contract) has received the Owner's Notice to Proceed, submit;
 - a. Materials list of items proposed to be provided under this Section.
 - b. Manufacturer's current specifications and other data needed to prove compliance with the specified requirements.
 - c. Manufacturers recommended installation procedures which, when approved by the Engineer, will become the basis for accepting or rejecting actual installation procedures used on the Work.
- 2 Any test data or reports required under this Section.

1.04 QUALITY ASSURANCE

- 1 Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the Work of this Section.
- 2 Use a Certified Applicator currently approved in writing by the product Manufacturer; Accelerated Concrete Technologies.

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- 3 Cooperate as required in performance of the specified testing and inspecting.
- 4 Application of product shall conform to Manufacturers written specifications.
- 5 The Engineer shall select an area for testing product application and observing applicator procedures for conformance with this section and the Manufacturers specifications.

1.05 DELIVERY, STORAGE, AND HANDLING

- 1 Deliver materials in the original manufacturer's sealed containers to location on site approved by Owner.
- 2 Store materials in such a way as to prevent damage to containers or product and protect from freezing temperatures.
- 3 Containers shall be kept tightly sealed until product applied.

1.06 WARRANTY REQUIREMENTS

- 1 Accelerated Concrete technologies (Manufacturer) warrants that if any goods supplied prove defective in workmanship or material, that Manufacturer shall replace them or refund their purchase price. The terms of this paragraph may not be orally modified. There are no warranties express or implied extend beyond the face herewith.

PART 2 – PRODUCTS

2.01 WATERPROOFING AND PRESERVATIVE

- 1 Where indicated on the Drawings and/or where specified herein for waterproofing, provide the following product manufactured by ACON (No Substitute):
- 2 Water shall be potable water only.

2.02 OTHER MATERIALS

Provide other materials, not specifically described in the section, but required for completing the work, where specified by the Engineer.

PART 3 – EXECUTION

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3.01 SURFACE CONDITIONS

- 1 Use a high pressure water process to ensure surface is clean prior to application.
- 2 Surface, air and material shall not be lower than 50°F nor higher than 95° during application. Do not apply when temperature is expected to fall below 40°F within 12 hours.
- 3 Weather should be clear, with moderate breeze. There shall be no precipitation during application or expected for 12 hours following.
- 4 The Contractor or Applicator shall provide protection for any glass or aluminum to avoid over spray. In event over spraying occurs, remove spill promptly with water to guard against potential etching glass and/or dulling of aluminum.
- 5 The Contractor or Applicator shall examine the areas and conditions under which work of this section will be performed for conformance with the Manufacturer Specifications.

Correct conditions detrimental to timely and proper completion of the Work. Do not proceed until unsatisfactory conditions are corrected.

- 6 Engineer or his agent shall be contacted 48 hours prior to application to conduct random water permeability test as required over the work area to verify surface preparation.

3.02 INSTALLATION

- 1 Surface shall be allowed to dry a minimum of twelve hours after pressure cleaning. Cover landscaping in adjacent area during application.
- 2 Application is to be made on dry surface with low pressure spray equipment with tip size of .026 to .072.
- 3 Hold tip 6” to 12” from surface using overlapping spray pattern and fanning motion at the end of each horizontal pass.
- 4 All holidays noted shall be immediately sealed with over spray.
- 5 Approximate coverage rate in square feet per gallon are as follows:
 1. Brick.....200-350
 2. Stucco.....300-400
 3. Concrete Block.....200-300
 4. Concrete.....300-400
 5. Pavers.....300-350
 6. Clay Tile.....400-450

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- 6 Product will dry in approximately 24 hours at 70°F. Topicals may be applied as required by specific manufacturer.
- 7 Clean equipment with potable water.
- 8 Upon completion of the work, remove from the site containers, trash, and debris caused by work under this section.