
SECTION 07 19 00

WATER REPELLENT

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Provide clear liquid penetrating type water repellent coating.
 - 1. Location: Apply water repellent to following exterior exposed surfaces.
 - a. Exposed exterior concrete at enclosed parking.
 - b. Surface bonded cultured stone masonry.
- B. Related Sections:
 - 1. Section 04 40 00: Stone assembly sealers.
 - 2. Section 09 30 00 and 09 30 90: Tile assembly sealers.
 - 3. Section 09 90 00: Painting and coating of integral color stucco.

1.2 ADMINISTRATIVE REQUIREMENTS

- A. Pre-Installation Meeting: Convene not less than one week prior to commencing work of this Section. Require attendance of those directly affecting work of this Section.
 - 1. Review installation procedures and coordination required with related work.

1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's literature.
- B. Samples: Submit sample units with water repellent coating applied to half of each sample face; indicate which half has coating.

1.4 QUALITY ASSURANCE

- A. Sustainability Requirements: Comply with CALGreen requirements including those relative to finish material pollution control for paints and coatings.
- B. Qualification of Installers: Firm with minimum five years successful experience in projects of similar scope.
- C. Mock-Up: Prior to commencing work, including bulk purchase and delivery of material, prepare small application in unobtrusive location of typical substrate in manner acceptable to Architect.
 - 1. Proceed only after Architect's acceptance of test application or as otherwise directed.

1.5 PROJECT CONDITIONS

- A. Do not apply coating during inclement weather, when air temperature is below 50 degrees F, or when rain or temperatures below 40 degrees F are predicted for a period of 24 hours.
- B. Do not apply coating earlier than 3 days after surfaces became wet.
- C. Do not apply coating to damp, dirty, dusty, or otherwise unsuitable surfaces.
 - 1. Allow concrete surfaces to cure minimum 28 days unless otherwise approved in writing by coating manufacturer.
- D. Protect glass, glazed products, and landscaping from contact with water repellent coating; replace materials damaged by water repellent coating.

1.6 WARRANTY

- A. Extended Correction Period: Provide for correcting failure of water repellent coating to resist penetration of water.
 - 1. Period: Two years.

PART 2 - PRODUCTS**2.1 SYSTEMS MANUFACTURERS**

- A. Evonik Degussa Corporation/Aqua-Trete.
- B. BASF/Hydrozo Enviroseal System.
- C. Chemprobe Products Industries Inc./CP-500W.
- D. ProSoCo/Sure Klean SL 100.
- E. Substitutions: Refer to Section 01 25 00.

2.2 MATERIALS

- A. System Description: Provide clear liquid water repellent coating which does not affect appearance of coated material.
- B. Performance Requirements: Provide products which are recommended by manufacturer to be fully compatible with indicated substrates and joint sealers which are in contact with water repellent coating.
- C. Regulatory Requirements: Provide materials maximum volatile organic compound (VOC) emissions as required by applicable codes and regulations.
 - 1. Comply with applicable air quality management authority.

- D. Water Repellent Coating: Manufacturer's standard penetrating type sealers specified conforming to applicable limitations on volatile organic compounds.
 - 1. Provide specific systems as recommended by manufacturer for substrates involved.
 - 2. Finish: Water repellent coating shall not alter appearance, color, or texture of substrate under any lighting conditions.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Prepare substrates and apply coating in strict accordance with manufacturer's recommendations.
- B. Clean surfaces of dust, dirt and foreign matter detrimental to proper installation of water repellent coating.
- C. Assure coating compatibility with each type of joint sealer within or adjacent to surfaces receiving waterproof coating.
 - 1. Mask surfaces indicated to receive joint sealers which would be adversely affected by coating.

3.2 APPLICATION

- A. Apply coating in accordance with manufacturer's instructions including maximum allowable coverage.
- B. Take special care to prevent damage to adjacent materials from application of coating; repair or replace materials damaged due to application of coating.

END OF SECTION