

SECTION 07 14 17

COLD FLUID-APPLIED WATERPROOFING FOR POOLS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Concrete protection and waterproofing applied on positive side of all Pool Shell Structures prior to application of finished cementitious coating.

1.2 RELATED SECTIONS

- A. 03 37 14 – Shotcrete for Pools
- B. 09 30 14 – Tiling for Pools
- C. 09 97 27 – Cementitious Coating for Pools
- D. 13 11 33 – Elevated Swimming Pools

PART 2 - PRODUCTS

2.1 CONCRETE PROTECTION AND WATERPROOFING:

- A. Concrete Pool Shell Protector CPSP: permanent, clear treatment, preservative, sealant solution for pool shell.
 - 1. AQURON Corporation International; www.aquron.com
 - a. CPSP (Concrete Pool Shell Protector)

PART 3 - EXECUTION

3.1 JOB CONDITIONS:

- A. Do not proceed with application of AQURON® CPSP™ when ambient temperature and/or substrate temperatures are less than 37°F/2.8°C or forecasted to drop below 37°F/2.8°C during the next 6 hours.
- B. AQURON® CPSP™ only seals the concrete itself, not fractures.

3.2 APPLICATION

- A. AQURON® CPSP™ must be applied with a high pressure airless sprayer with spray tip size as follows:
 - 1. Steel Troweled Concrete & Smooth Plaster .013–.015
 - 2. Shotcrete .015–.019
 - 3. Gunitite .019
 - 4. Spray tip fan width should be 10”–14” wide.

- B. Pre-wet area of application with water to cool concrete that is extremely hot (95°F or higher). All pooled and puddle areas must be dispersed, continue to keep area damp until AQURON® CPSP™ has been applied.
- C. Apply AQURON® CPSP™ at a rate no less than 1 liter to 3.5m2/150 sq. ft. per US gallon. Normally to achieve this rate of application of AQURON® CPSP™ at least 2 applications will be needed. First application covering area in one direction, then applying second application after first has penetrated surface (do not allow first application to dry, apply second application as soon as surface sheen has dissipated). Even coverage is achieved by applying the two applications at 90° to each other; i.e., a crisscross pattern!
- D. Start application holding spray tip approximately 8"–10"/200–300mm from concrete surface, make application using overlapping spray pattern with a fanning motion at the end of each pass.
- E. Entire area being treated is to be saturated, but do not allow AQURON® CPSP™ to puddle. Disperse puddle areas with broom 15–30 minutes after application is completed (do not allow puddles of AQURON® CPSP™ to dry).
- F. Always start application at lowest possible area and proceed to higher elevations. On vertical application (walls) start at the bottom and proceed up the vertical surface with horizontal and vertical strokes to insure coverage.
- G. When application is to weeping hydrostatic concrete, at least doubling step 3 of the Application Procedure is necessary with the second applied immediately following the first.

END OF SECTION