



















# CSI SPECIFICATIONS

## 03 15 16 WATERPROOF CONCRETE CONSTRUCTION JOINTS

3. Prepare plastic penetrations by embedding silica sand into a coating of plastic cement applied to all surfaces in contact with waterproof treatment.]
  3. Ensure that all surfaces are clean; remove form release agents, dirt or debris.
  4. Saturate surfaces by high pressure water blasting. Remove all standing water so the surface is saturated-surface-dry (SSD) condition.
- B. Patch tie holes using crystalline waterstop grout
- C. Tightly pack crystalline waterstop grout into the chase flush with surface.
- D. Cure in accordance with manufacturer's written instructions.

### 3.5 FIELD QUALITY CONTROL

- A. Section [01 45 00]: Field [inspection] [and testing].
- B. Provide free access to Work and cooperate with appointed firm.
- C. Do not conceal installed waterproofing treatment before review by Consultant [and waterproofing manufacturer's representative].
- D. Site Tests and Inspections:
1. Following the installation of crystalline waterstop or swelling waterstop, visually inspect the application to verify presence of the waterstop in the correct location and proper dimensions.
  2. Following the installation of Treatment, visually inspect the application to verify the presence of the “gold” slurry coat covering the entire contact area of the joint including the previously installed triangle of crystalline waterstop or swelling waterstop.
- E. If leaks are discovered, verify with manufacturer whether time period for self-sealing properties of the treated concrete has been exceeded. Make repairs as recommended by the manufacturer and repeat test until no leaks are observed.

### 3.6 PROTECTION OF FINISHED WORK

- A. Section [01 78 40]: Protecting installed work.
- B. Protect completed assemblies from damage after application.
- C. Wait at least 7 days before filling treated tanks and reservoirs. For reservoirs that will contain drinking water, cure longer if possible, and then rinse with fresh water several times. Initially, the drinking water may need pH adjustment using citric acid or similar water treatment chemicals.

### 3.7 SCHEDULES

*The following article will assist in preparing a schedule for waterstop locations for the project. The following schedule includes are EXAMPLES only. Edit the paragraphs below to create a project specific schedule. Do not repeat statements that may exist on drawings.*

- A. Provide waterstop assemblies in the following locations:
1. Elevator pits, [sump pits]; Type: [crystalline][swelling].
  2. Below Grade Parking: Type: [crystalline][swelling].
  3. Tunnels, underground vaults, dry wells, and manholes: Type: [crystalline][swelling].
  4. Water tanks, flumes, clarifier tanks, digester sections, reservoirs and wet wells: Type: [crystalline][swelling].
  5. Planters and swimming pools: Type: [crystalline][swelling].

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END OF SECTION