
9 CONCRETE REPAIR (SECTION 03500)

9.1 Part 1 General

9.1.1 Scope and General Requirements

- A. This section of the specification gives the requirements for concrete repair.
- B. The repair system to be utilized for a particular area or member will be subject to a trial demonstration as designated by the Engineer and will generally be as follows:
- C. Epoxy fillers shall be utilized to fill small cavities and pinholes on all concrete surfaces to receive epoxy coating.
- D. Epoxy and cementitious repair mortars shall be utilized for small surface repairs.
- E. Shotcrete, concrete and micro concrete shall be used for large, deep repairs.
- F. Cracks up to 0.3mm wide shall be filled with an epoxy filler or epoxy crack injection resin.
- G. Cracks or joints which are leaking shall be injected with a polyester resin.

9.1.2 Related Documents

- A. The following sections of the specification shall be read in conjunction with this section.

Section 01300-Submittals.

Section 01400 -Quality control.

Section 01600-Materials and equipment.

Section 03100 -Concrete formwork

Section 03200 -Concrete reinforcement.

Section 03300 -Cast in place concrete.

Section 03600 -Concrete protection and waterproofing systems.

9.1.3 Standards

- A. All activities relating to this section of the specification shall comply with the following or approved equal standards.

ACI 506 Guide to shotcrete.

ACI 506.2 Specification for shotcrete.

ACI 506.3 Guide to certification of shotcrete nozzlemen.

ACI 506.4 Guide for the evaluation of shotcrete.