

9. Shotcrete shall comply with the following ACI Standards except as modified in this section:
 - a. ACI 506 - Guide to Shotcrete.
 - b. ACI 506.2 - Specification for Shotcrete.
 - c. ACI 506.3 - Guide to Certification of Shotcrete Nozzle men.
 - d. ACI 506.4 - Guide for the Evaluation of Shotcrete. 506.3.
 - e. ACI 548.1 - Guide for the use of Polymers in Concrete.
10. Prior to start of work each nozzle man shall be subject to approval by the Engineer in accordance with ACI 506.3.
11. The Contractor shall spray shotcrete in approved moulds for cutting cores as directed by the Engineer for specified tests.
12. The Contractor shall only be allowed to start the works after the Engineer has approved the materials, mix design, nozzle men and the site procedures.
13. The finished surface shall be smooth, free of voids, cracks, honeycombing, and suitable for the application of surface coatings or other finishes as applicable.

13.2.9 Grout

- A. The grout shall be pre-bagged grout mix cement/sand requiring only the addition of water at site. And have the following characteristic:
 1. Non-shrinkage type.
 2. Min compressive strength: 60 N/mm² at 28 days.
 3. High Flexural strength.
 4. Free of chlorides and nitrate ion.
 5. Water permeability when tested to DIN 1048 shall not exceed 10 mm.
 6. Free from corrosive effects.

13.3 Part 3 - Execution

13.3.1 Detailed Inspection Prior to Site Works

- A. The Letter of Intent issued by the Engineer may include instructions to the Contractor to carry out detailed inspection and/or testing on a proposed structure. The Contractor shall carry out the detailed inspection and testing as per the Letter of Intent.