

changed.

D. Cube Strength Results

1. The results will be acceptable only if both of the conditions below are met:
 - a) The mean field cube strength at age of 28 days shall exceed the Actual Characteristic Strength given in par. 3.1.3.7 by a margin of 1.64 times the Standard Deviation, except that no Standard Deviation less than 4Mpa shall be used in calculation.
 - b) If the above criteria are not satisfied, the unit represented by the sample is questionable and any or all of the following actions may be instructed by the Engineer at the Contractor's expense:
 - a) Changing the mix.
 - b) Improving quality control.
 - c) Cutting and testing cores from placed concrete.
 - d) Non-destructive testing of placed concrete.
 - e) Cutting-out and replacing defective concrete.
2. If any individual 28 day cube strength from a sample exceeds the Target Mean Strength achieved in the trial mixes by more than 10 MPa then any or all of the actions listed above may be instructed by the Engineer at the Contractor's expense.
3. In the event cutting and testing of cores are required, the Contractor shall cut cores from approved locations, and test them to BS1881 as modified by BS 6089.

E Flexural Tensile Strength Tests

1. Samples shall be taken and two beams cast to determine the tensile strength of the concrete at 7 days and 28 days, as specified in BS 1881 Part 118.
2. The samples shall be taken in accordance with the minimum test requirements for concrete in the Specification and shall coincide with samples taken for test cubes.

F Durability Tests

1. Samples shall be taken in accordance with the minimum test requirements for concrete in the following section and shall coincide with samples taken for test cubes. The concrete shall be tested for durability properties as directed in the following table.