

BS EN 12350-6	Testing fresh concrete. Density.
BSEN12390-2	Testing hardened concrete. Making and curing specimens for strength tests.
BS EN 12390-3	Testing hardened concrete. Compressive strength of test specimens.
BS EN 12309-7	Testing hardened concrete. Density of hardened concrete.
BS EN 12390-8	Testing hardened concrete. Depth of penetration of water under pressure.
BS EN 12504-1	Testing concrete in structures. Cored specimens. Taking, examining and testing in compression.
BS EN 1997	Foundation
DIN 4235	Compacting Concrete by Vibrating.
Curing compounds	
ASTM C309	Standard specification for liquid membrane forming compounds for curing concrete.
General	
ISO 9000	Quality management systems

3.1.3 Design Requirements

- A. Design a mix for each grade of concrete as indicated in Table 3-1 to be used throughout the course of work.
- B. Use concrete class A, or B, or C for different type of concrete works as indicated in Table 3-3 unless otherwise noted elsewhere. All structural elements shall comply with the requirements of durable concrete utilizing supplemental mineral additive such as GGBS, fly ash, and/or silica fume, as necessary
- C. Maintain and control the water content in the concrete mix to the minimum required to obtain a workable concrete suitable for the nature of the work to be executed. Ensure that the free water cement ratio does not exceed 0.45 for Class A concrete and B concrete and 0.5 for Class C concrete.
- D. Ensure that the addition of proprietary admixtures intended to change the flow characteristics cohesion or rate of setting of the concrete should not be made without the approval of the Engineer. Ensure that the chloride content is NIL to BS 5075.
- E. Ensure that the concrete mixes are to produce concrete cube strength at 28 days