

Concrete Testing (Fresh & Hardened)

Density of Concrete cube/cylinders
Compressive strength of concrete cube
Compressive strength of concrete cylinders
Flexural strength testing of concrete beams
Total Sulphate content
Total Chloride content
Cement Type of concrete
Cement & Aggregate content of concrete
Capillary Porosity
Moisture content in concrete
Splitting Strength (In-direct Tensile strength) of concrete cylinders & cubical specimens
Compressive strength of drilled concrete core
Concrete Mix Design
Concrete Trial Mix and associated fresh & hardened concrete tests in the lab(such as slump, fresh & hardened concrete density temperature, air content and compressive strength)
Specific gravity, boiled absorption and voids in concrete
Oven Dry Density of Light weight concrete
Petrographic Examination of Concrete
Capillary as per Concrete Society
Water permeability under pressure (DIN)
Rapid Chloride Permeability (RCPT)
Water absorption
ISAT (Initial Surface Absorption)
Chloride Migration Coefficient
Tensile splitting strength of cylinder
Modulus of elasticity
Mass pour (Mass foundations, Raft etc.) Differential Temperature (Adiabatic Heat Development) Monitoring
Making cubes at site
Fresh concrete density
Sampling of fresh concrete at site, required fresh concrete tests and preparation of specimens for hardened concrete tests
Compacting factor test of fresh concrete
Slump Test of fresh concrete
Bleeding of fresh concrete
Air content of fresh concrete

Temperature of fresh concrete
Setting Time of fresh concrete