

Mechanical Properties of Concrete

Sl. No.	Name of Test / Service	Standard Procedure
1	Pullout/bond Strength of Concrete	IS: 2770-Pt-1
2	Modulus of Elasticity (MOE)	IS: 516
3	Modulus of Elasticity with Poisson Ratio	IS: 516
4	Drying Shrinkage	IS: 1199
5	Moisture Movement Testing	IS: 1199
6	Creep Test upto 90 days and 180 days	ASTM-C-512
7	Coefficient of Linear Expansion of Concrete	CRD C39-81
8	Impact Drop Weight Test	American Concrete Institute ACI-544 committee
9	Abrasion resistance test of concrete (Under water method)	ASTM C 1138
10	Abrasion resistance of Concrete (Revolving disk method)	ASTM C 779
11	Fatigue Test	Based on Literature
12	Flexural Performance of Fiber-Reinforced Concrete(Using Beam With Third Point Loading)	ASTM C 1609
13	Flexural Toughness of Fiber-Reinforced Concrete (Using Centrally Loaded Round Panel)	ASTM C1550

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