

Glossary

Curing - is the process in which the concrete is protected from loss of moisture and kept within a reasonable temperature range. This process results in concrete with increased strength and decreased permeability. Curing is also a key player in mitigating cracks, which can severely affect durability

Creep - Creep is defined as the plastic deformation under sustain load. Creep strain depends primarily on the duration of sustained loading. According to the code, the value of the ultimate creep coefficient is taken as 1.6 at 28 days of loading.

Workability - that property of freshly mixed concrete that determines its working characteristics, i.e. the ease with which it can be mixed, placed, compacted and finished

Proportioning of concrete - The process of relative proportions of cement, sand, coarse aggregate and water, so as to obtain a concrete of desired quality is known as the *proportioning of concrete*.

Guniting - Guniting is a mortar that is sprayed pneumatically onto surfaces at a high velocity