

Lecture 2.15: Curing, importance of curing, period of curing accelerated curing, Convention...

Concrete Technology (DI04006011)

Civil Engineering Department

Lecture Agenda

- 1. Curing, importance of curing, period of curing accelerated curing, Conventional methods of curing - water curing methods, Special methods of curing- steam, membrane, Infrared, Electrical.
- 2. Summary and Q&A

2.8 Curing, importance of curing, period of ...

- Curing: Maintaining favorable moisture and temperature conditions for ongoing hydration.
- Importance: Ensures proper strength development, durability, and reduces shrinkage cracks.
- Water curing: Ponding, spraying/fogging, or covering with wet burlap/gunny bags.
- Membrane curing: Applying chemical compounds to form a moisture-retaining film.
- Accelerated curing: Steam curing or electrical curing used in precast industry to gain early strength.

Summary

- Recap of the specific material properties and methods discussed.
- Always refer back to the standard IS codes for parameter limits.