

Lecture 2.12: Placing of concrete - formwork stripping time, under water concreting

Concrete Technology (DI04006011)

Civil Engineering Department

Lecture Agenda

- 1. Placing of concrete - formwork stripping time, under water concreting
- 2. Summary and Q&A

2.5 Placing of concrete - formwork stripping...

- Forms must be rigid, clean, and oiled before placing concrete.
- Concrete should be placed in uniform layers (150-300mm) and as close to its final position as possible.
- Free fall of concrete should not exceed 1.5 meters to prevent segregation.
- Formwork stripping time: 16-24 hours for vertical surfaces (columns/walls), longer for slabs/beams.
- Underwater concreting: Uses Tremie pipe or skip to prevent washing away of cement.

Summary

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