Concrete Curing Time
Structural Guide
What is Curing of Concrete

Curing of concrete is done for the following reasons:

- Maintain surface moisture
- Reduce the concrete temperature
- Maintain temperature gradient
- Maintain temperature difference
- Increase the concrete temperature
How Long Concrete Need to Cure

- If we do the curing, the strength of the concrete does not increase after a certain level.
- There is a considerable difference between 7 days curing and 28 days curing.
- However, the difference is constant and it is not significant. Carrying out curing for a year, there is a very high increase in strength.

In general, concrete gains most of the strength, 70-80% of characteristic strength, within 7 days of concreting. In this background, usually, curing is done for 7 days.

Larger concrete-like very high volume concretes, the curing period shall be determined based on the data obtained from a mockup test.
Thank you

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