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water to the concrete mix hydration starts, which makes concrete to dry out due to an exothermic reaction which releases heat. In order to complete the hydration reaction concrete is kept moist. Curing of concrete: Curing plays a vital role concerning concrete strength development and durability. Curing of Concrete | Curing time & Duration - CIVIL READ Concrete should be protected from freezing until it is completely cured. Increase the final set time of concrete by providing moisture to the concrete. Often times, flat surfaces such as roadways or floors are sprayed with a fine mist of water, soaked with damp burlap tarps or wet fabric to increase the strength and set time of the slab. How to Determine Initial & Final Setting Times for Concrete 9.3—Curing at joints 9.4—Curing special concrete 9.5—Length of curing 9.6—Preventing plastic-shrinkage cracking 9.7—Curing after grinding 9.8—Protection of slab during construction 9.9—Temperature drawdown in cold storage and freezer rooms 9.10—Joint filling and sealing Chapter 10—Quality control

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