

# MASS CONCRETE PRESENTATION



## Learning Objectives:

- Understand the ACI definition of mass concrete
- Discuss factors affecting concrete temperature in mass concrete
- Learn how to control concrete temperature through mixture proportioning and construction practices
- Understand ACI specification requirements for mass concrete (ACI 301, Section 8)

## ACI offers a wide range of resources and materials covering repair, including:

- 207.1R-05:** Guide to Mass Concrete (Reapproved 2012)
- 207.2R-07:** Report on Thermal and Volume Change Effects on Cracking of Mass Concrete
- 207.5R-11:** Report on Roller-Compacted Mass Concrete
- 207.4R-05:** Cooling and Insulating Systems for Mass Concrete (Reapproved 2012)
- 364.11T-15:** Managing Alkali-Aggregate Reaction Expansion in Mass Concrete
- 301-16:** Specifications for Structural Concrete

## On-Demand Courses Offered Through ACI University:

- ✓ ACI 301-16: Specifications for Structural Concrete

## Presentation Outline:

- What is mass concrete?
- Addressing concrete temperature when dealing with mass concrete

## Factors affecting mass concrete:

- Materials
- Size
- Construction

