

TECHNICAL DOCUMENTS

318.2M-19: Building Code Requirements for Concrete Thin Shells and Commentary (SI Units)

This document governs the design of thin shell concrete structures. Where required for design of thin shell concrete structures, provisions of ACI 318 are to be used to complement the provisions of this Code.

506.2M-13(18): Specification for Shotcrete (Reapproved 2018)

This specification contains the construction requirements for the application of shotcrete. Both wet- and dry-mixture shotcrete are addressed, as well as fiber-reinforced shotcrete. The minimum standard for materials, properties, testing, and application are covered.

550.7-19: Requirements for Design of a Special Unbonded Post-Tensioned Precast Shear Wall Satisfying ACI 550.6 and Commentary

This standard describes the procedures that the designer may use to demonstrate, through analysis, that one type of unbonded post-tensioned precast wall has strength and toughness at least equal to that of comparable special reinforced concrete monolithic walls. The standard consists of Design Requirements and a Commentary.

ACI UNIVERSITY ONLINE COURSES

On-Demand Course: Innovation in Concrete Construction: Innovation in Precast Concrete Segmental Tunnel Lining

Learning Objectives:

1. Identify ACI design guidance documents available for precast concrete segmental tunnel lining.
2. Summarize requirements and desired outcomes that drive material decisions.
3. Recognize the impact of machine automation on concrete design and precast concrete production.
4. Discuss latest developments and innovations in precast concrete for underground construction.

Continuing Education Credit: 0.1 CEU (1.0 PDH)

On-Demand Course: Guide to ACI 213R-14 Structural Lightweight-Aggregate Concrete (three-part series)

Learning Objectives:

Part 1: Covers the definition of lightweight-aggregate concrete for structural purposes; the production methods for structural lightweight aggregates; and inherent properties of structural lightweight aggregate concrete. This webinar discusses examples from the ACI 213R-14 guide and their applications.

Part 2: Focuses on durability and design of structural lightweight-aggregate concrete. This webinar discusses examples from the ACI 213R-14 guide and their applications.

Part 3: Discusses performance and application of structural lightweight-aggregate concrete; and covers internal curing using fine lightweight aggregate. This webinar discusses examples from the ACI 213R-14 guide and their applications.

Continuing Education Credit: 0.3 CEU (3.0 PDH)

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