

TECHNICAL DOCUMENTS

ACI 325.11R-19: Report on Accelerated Techniques for Concrete Paving

This report covers state-of-the-art of accelerated concrete paving techniques. Accelerated concrete paving techniques are appropriate for roadways, airfields, streets and intersections, and other paved surfaces where early opening to traffic and quick access are required. (*Free access for ACI Members*)

Manual of Concrete Inspection, 11th Edition

This manual is intended to guide, assist, and instruct concrete inspectors and others engaged in concrete construction and testing, including field engineers, construction superintendents, supervisors, laboratory and field technicians, and workers.

Durability of Concrete Structures Incorporating Conventional and Advanced Materials (SP-331)

This SP contains nine papers selected from two technical sessions held at the ACI Spring Convention in Detroit, MI, in March 2017.

ACI UNIVERSITY ONLINE COURSES

On-Demand Course: Taking the Myth and Mystery out of Mix Design

Learning Objectives:

1. Recognize that efficient mixture design results in a trial mixture that can be readily adjusted to efficiently meet required concrete performance, and that performance is more important than the mix design method.
2. Explain why the word “design” in the phrase “Mix Design” may not carry the same implications as use of the same word in the phrase “Structural Design.”
3. Discuss valuable insight to concrete performance by examining volumetric proportions, even though concrete is typically batched by weight.
4. Summarize the trade-offs in concrete properties in a conventional mixture, workability, w/c , and total cementitious materials content are not independent.

Continuing Education Credit: 0.1 CEU (1.0 PDH)

On-Demand Course: Testing and Inspection Specifications for Concrete: Everything you Need in Two ACI References

Learning Objectives:

1. Provide an overview of specification for Testing Ready Mixed Concrete Specification.
2. Provide an overview of specification for Inspection of Concrete Construction.
3. Discuss testing agency requirements and scope of work.
4. Discuss minimum requirements for quality assurance inspection of concrete.

Continuing Education Credit: 0.1 CEU (1.0 PDH)

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