

Introduction to Aggregate Testing

ACI Training Seminars



ONE DAY PROGRAM FOR UP TO 10 PARTICIPANTS

This training program includes classroom review and hands on demonstration of multiple procedures, test methods, and equipment required to be able to properly perform various aggregate tests used in the production of concrete. The instructors will focus on methodology and understanding the results of each test.

Program Content:

Testing

Why do we test? What can we test? When do we test?
How do we test?

Fundamentals of Aggregate Testing

Classroom and Laboratory hands-on training; Best practices and tips; How to interpret the results and identify common errors

Use, Maintenance, and Calibration of Equipment

How to properly use equipment; How to maintain and routinely calibrate equipment

ASTM Standards

These test methods will be included in the classroom and hands-on laboratory training:

- AASHTO T2/ASTM D75 – Sampling of Aggregates
- AASHTO R76/ASTM C702 – Reducing Samples
- AASHTO T11/ASTM C117 – Materials Finer than 75-um
- AASHTO T27/ASTM C136 – Sieve Analysis
- AASHTO T85/ASTM C127 – Absorption (Coarse aggregate)
- AASHTO T84-ASTM C128 – Absorption (Fine Aggregate)
- AASHTO T255/ASTM C566 – Moisture Content
- AASHTO T 21/ASTM C40 – Organic Impurities

These additional standards and specifications will be discussed:

- ASTM C33 – Standard Specification for Concrete Aggregates
- ASTM C88 – Soundness of Aggregates
- ASTM C131 – LA Abrasion

Who should attend: Staff from Testing Laboratories, Aggregate Quarries/Mining/Dredging facilities, Ready Mix Concrete Batch facilities, Pre-Cast Concrete plants, who routinely conduct aggregate testing including laboratory staff, project managers, Department of Transportation inspectors, or anyone interested in how to properly test aggregates for use in concrete.

Cost

This training program is offered for \$199 and includes the Program binder for best practices and Study guide for Aggregate Testing Technician Level 1.

Instructors:

Michael Morrison, Manager, Certification Program Development, has over 35 years of experience in the cement and concrete industry.

Rusty Owings, Resource Center Manager, has over 20 years of experience in the design and construction industry.

This is a training session ONLY and ACI certification is NOT part of this program.



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Cost

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Instructors:

Michael Morrison, Manager, Certification Program Development, has over 35 years of experience in the cement and concrete industry. He was supervisor of PCA/CTL Cement/Mortar laboratory for 10 years and has successfully trained nearly 200 cement testers over the last 25 years.

Rusty Owings, Resource Center Manager, has over 20 years of experience in the design and construction industry, including working for major cement manufacturer, a worldwide admixture manufacturer and a large regional Ready-Mix operation.

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