



American Concrete Institute

ACI Update

M-Trac

Albuquerque, NM

August 1-2, 2018



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Always advancing

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- Last ACI M-Trac Report was in Rapid City, SD
Several updates, new programs and programs under development



Adhesive Anchor

- Installer
Program Modified
- Trend away from the cartridge injection system not using a piston plug



- Adhesive Anchor
Installation Inspector
New Program
- Responsibilities and requirements of installer
- Inspection requirements
- Qualification of anchor systems

Self-Consolidating Concrete Testing Technician

New Program

ASTM Test Methods

- C1610 – Static Segregation of Self-Consolidating Concrete Using Column Technique
- C1611 – Slump Flow of Self-Consolidating Concrete
- C1712 – Rapid Assessment of Segregation Resistance of Self Consolidating Concrete Using Penetration Test
- C1758 – Fabricating Test Specimens with Self-Consolidating Concrete

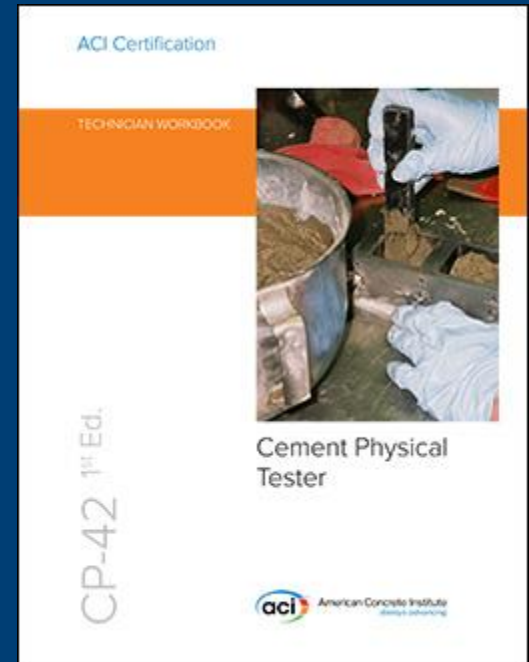


Cement Physical Tester

New Program

ASTM Test Methods

- C109 – Compressive Strength of Hydraulic Cement Mortars
- C151 – Autoclave Expansion of Hydraulic Cement
- C185 – Air Content of Hydraulic Cement Mortar
- C187 – Amount of Water Required for Normal Consistency of Hydraulic Cement Paste
- 6 more additional tests



Cement Physical Testing Technician

National Transportation Product Evaluation Program currently developing workplan for testing Portland and blended cements

NTPEP Designation: PBC-18-1 Evaluation of Portland and Blended Cement

- If this program moves forward, cement plants would be required to submit a quarterly sample of manufactured cement types.
- Cement Physical Testing covers all required physical tests of ASTM C150 (Portland Cement) and most in ASTM C595 (Blended Cement)



Concrete Quality Technical Manager

New Program

Overall Knowledge of Concrete Quality Control/Quality Assurance

- Aggregates and Admixtures
- Cementitious Materials
- Proportioning Concrete Mixtures and Submittals
- Specialty Concretes
- Quality, Durability, and Evaluation of Strength
- Codes and Specifications
- **Program has education and work exp. requirements*



Concrete Field Testing Technician

Non-PE Examiners now allowed

- Must apply through the local sponsoring group and assist administratively in at least two sessions and:
 - *PE Examiner*
 1. *Be a registered professional engineer*
 2. *Have been certified as a Concrete Field Testing Technician*
 3. *Have two years verifiable experience*
 - *Non-PE Examiner*
 1. *Be certified as a Concrete Field Testing Technician*
 2. *Have five years verifiable experience*
 3. *Participate in at least 4 exam sessions as a proctor/supplemental*



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New Membership Model

- Local Chapter members are now considered National Members
- Receive membership credits to use for ACI online education products



Thank you

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