Meetings
Committee C09 meets twice a year, in June and December, with approximately 150 members attending four days of technical meetings. The committee holds a new member orientation at both meetings. It provides new members with an overview of the committee and gives them the opportunity to meet with C09 officers.

Membership
ASTM welcomes all technical experts with a desire to work toward further development of international technical standards. Membership and participation in the activities of Committee C09 provide the opportunity to:

- Network with technical professionals worldwide;
- Have direct input into the development of new and revised standards;
- Participate in informational webinars;
- Receive a free volume of the Annual Book of ASTM Standards (print, CD, or virtual volume);
- Enjoy discounts on all ASTM publications;
- Receive free subscriptions to ASTM Standardization News and ASTM eNews; and
- Benefit from reduced attendance fees at ASTM symposia and technical workshops.

The annual fee to be an informational or participating member of ASTM International is $75 USD. Annual membership provides access to multiple technical committees at no additional cost.

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The standards of Committee C09 on Concrete and Concrete Aggregates, together with the standards developed by ASTM Committee C01 on Cement and committees of the American Concrete Institute, are essential to the construction of civil infrastructure. Formed in 1914, Committee C09 includes approximately 1,360 members who have jurisdiction over more than 180 standards.

Committee C09 and the American Concrete Institute

There has been a longstanding agreement of cooperation between ASTM and the American Concrete Institute in the preparation of standards. This agreement states that, in general, standards concerned with matters of engineering design or construction shall be the responsibility of ACI. ASTM has responsibility for the development of test methods for concrete and concrete products and for the constituent materials of concrete, as well as certain related materials such as those used in curing.

Relationship with Industry, Government and Regulation

The committee continues to make significant changes to its standards to encompass new materials and to improve the capabilities of concrete as a basic construction material. The standards developed and maintained by C09 contribute to industry by providing recognized safety and reliability measurements, protecting against liability through their use in contracts, providing a means of quality control, contributing to the proficiency of laboratories, and providing a basis for training and certification of qualified personnel.

CCRL and Construction Materials Testing

Committees C01 and C09 oversee the activities of the Cement and Concrete Reference Laboratory (CCRL), which is located at the National Institute of Standards and Technology (NIST) as a cooperative program between ASTM and NIST. CCRL operates proficiency sample programs in the following construction materials areas: portland cement, blended cement, masonry cement, hydraulic cement concrete, pozzolans, concrete masonry units, and masonry mortar.

C09 Standards

A sampling of Committee C09’s more than 180 standards:

**Organic Materials for Bonding**
- C1583, Standard Test Method for Tensile Strength of Concrete Surfaces and the Bond Strength or Tensile Strength of Concrete Repair and Overlay Materials by Direct Tension (Pull-off Method) Chemical Reactions

**Ready-Mixed Concrete**
- C1602, Standard Specification for Mixing Water Used in the Production of Hydraulic Cement Concrete
- C1603, Standard Test Method for Measurement of Solids in Water

**Fiber-Reinforced Concrete**
- C1579, Standard Test Method for Evaluating Plastic Shrinkage Cracking of Restrained Fiber Reinforced Concrete (Using a Steel Form Insert)
- C1609, Standard Test Method for Flexural Performance of Fiber-Reinforced Concrete (Using Beam With Third-Point Loading)

**Shotcrete**
- C1604, Standard Test Method for Obtaining and Testing Drilled

**Cores of Shotcrete**
- C1611, Standard Test Method for Slump Flow of Self-Consolidating Concrete
- C1621, Standard Test Method for Passing Ability of Self-Consolidating Concrete by J-Ring
- C1712, Standard Test Method for Rapid Assessment of Static Segregation Resistance of Self-Consolidating Concrete Using Penetration Test Self-Consolidating Concrete

**Cementitious Materials and Admixture Combinations**
- C1679, Standard Practice for Measuring Hydration Kinetics of Hydraulic Cementitious Mixtures Using Isothermal Calorimetry

**Concrete’s Resistance to Fluid Penetration**
- C1585, Standard Test Method for Measurement of Rate of Absorption of Water by Hydraulic-Cement Concretes Volume Change
- C1688, Standard Test Method for Density and Void Content of Freshly Mixed Pervious Concrete

**C1698, Standard Test Method for Autogenous Strain of Cement Paste and Mortar Pervious Concrete**

**C1701, Standard Test Method for Infiltration Rate of In-Place Pervious Concrete Supplementary Cementitious Materials**

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C09 Subcommittees
- C09.20 Normal Weight Aggregates
- C09.21 Lightweight Aggregates and Concrete
- C09.22 Materials Applied to New Concrete Surfaces
- C09.23 Chemical Admixtures
- C09.24 Supplementary Cementitious Materials
- C09.25 Organic Materials for Bonding
- C09.26 Chemical Reactions
- C09.27 Ground Slag
- C09.40 Ready-Mixed Concrete
- C09.41 Hydraulic Cement Grouts
- C09.42 Fiber-Reinforced Concrete
- C09.43 Packaged Dry Combined Materials
- C09.44 Polymer-Modified Concrete and Mortars
- C09.45 Roller-Compacted Concrete
- C09.46 Shotcrete
- C09.47 Self-Consolidating Concrete
- C09.48 Performance of Cementitious Materials and Admixture Combinations
- C09.49 Pervious Concrete
- C09.50 Risk Management for Alkali Aggregate Reactions
- C09.60 Testing Fresh Concrete
- C09.61 Testing for Strength
- C09.62 Abrasion Testing
- C09.64 Nondestructive and In-Place Testing
- C09.65 Petrography
- C09.66 Concrete’s Resistance to Fluid Penetration
- C09.67 Resistance to the Environment
- C09.68 Volume Change
- C09.69 Miscellaneous Tests