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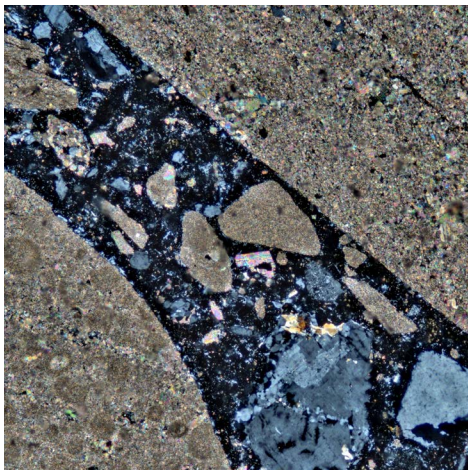
ASTM International Technical Committee C09 on Concrete and Concrete Aggregates



SCOPE

1. The assembling and study of data pertaining to the properties of hydrauliccement concrete and its constituent materials, including the study of the effect of characteristics of materials and mixtures on the properties of concrete; and

2. the development of standards for concrete and for the constituent materials of concrete (except cement), as well as for certain related materials, such as materials used in curing.

The scope of the Committee does not include the field of design and construction of concrete structures except insofar as references need to be made to construction methods in special cases of concrete as "over-the counter" material.

Note: In accordance with an agreement between the ASTM and The American Concrete Institute, The Institute will refrain from specification writing for "overthe-counter" engineering materials and ASTM will refrain from standardization efforts in design and construction practice.

OVERVIEW

Committee C09, jointly with Committee C01, oversees the activities of the Cement and Concrete Reference Laboratory (CCRL) http://ccrl.us/, which operates programs that promote the quality of testing in construction materials laboratories. These are the inspection and proficiency sample programs that provide laboratories with a mechanism for determining the quality of their testing of hydraulic cement, portland cement concrete and aggregates, steel reinforcing bars, pozzolans, and masonry materials using ASTM standards.

The Proficiency Sample Programs (PSP) were developed as a means for a laboratory to monitor the quality of its testing between CCRL on-site assessments. The information that CCRL provides gives some indication of a laboratory's overall proficiency for given tests.

The Laboratory Inspection Program provides a laboratory with a comprehensive account of how its procedures, practices, equipment, and facilities compare with ASTM standards requirements.

ASTM's Construction Materials Technician Series enables QA/QC technicians in the construction industry to advance their skills using leading, self-guided, computer-based training. The series is ideal for those preparing to become certified testing technicians through the American Concrete Institute (ACI), National Institute for Certification in Engineering Technologies (NICET), or a state agency such as the Department of Transportation (DOT).

Learn more about Committee C09

www.astm.org/committee-c09

QUICK FACTS

Established 1914

Number of Members 1,440+

Number of Standards 183

Global Participation 54 Countries represented

The standards are available in Volume 04.02 in the *Annual Book of ASTM Standards*

Meetings C09 meets twice each year, in June and December

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TECHNICAL SUBCOMMITTEES

- **C09.20** Normal Weight Aggregates
- **C09.21** Lightweight Aggregates and Concrete
- **C09.22** Materials Applied to New Concrete Surfaces
- **C09.23** Chemical Admixtures
- **C09.23.01** Setting Time
- **C09.23.02** Air-Entraining Admixtures
- **C09.23.03** Chemical Admixtures
- **C09.23.04** Durability Enhancing Admixtures
- **C09.23.05** Pigments for Integrally Colored Concrete
- **C09.23.06** Cold Weather Admixtures
- **C09.23.07** Chemical Admixtures for Segregation Resistance
- **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

KEY DOCUMENTS

MNL 49 User's Guide to ASTM Specification C94 for Ready-Mixed Concrete

C31 — Standard Practice for Making and Curing Concrete Test Specimens in the Field

C33 —Standard Specification for Concrete Aggregates

C39/C39M — Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

C94/C94M — Standard Specification for Ready-Mixed Concrete

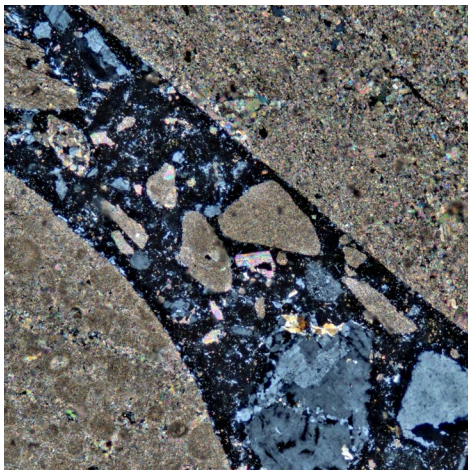
C136 — Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates

C1077 — Standard Practice for Agencies Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Testing Agency Evaluation

STP 169D — Significance of Tests and Properties of Concrete and Concrete-Making Materials

STP 1511 — Recent Advancement in Concrete Freezing-Thawing (F-T)

Durability ASTM Standards for Ready-Mixed Concrete: 4th Edition



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