

Presentation Outline (1/2)

- ▶ **Monday May 9, 2016:**
 - (Introduction and Mixing)
 - Introduction, Overview and Related Standards
 - ASTM C305 – Practice for Mixing Pastes and Mortars
 - (Paste and Mortar Testing)
 - ASTM C204 - Fineness
 - ASTM C1437 – Flow
 - ASTM C187 – Normal Consistency
 - ASTM C191 – Time of Set
 - ASTM C109 – Compressive Strength of Cubes
 - ASTM C185 – Air Content of Cement Mortar
 - Discussion

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Presentation Outline (2/2)

- ▶ **Monday May 9, 2016 (Continued):**
 - (Requirements of Standards)
 - ASTM C150 – Standard Specification for Portland Cement
 - ASTM C989 – Standard Specification for Slag Cement

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Outline (1/2)

- ▶ Sampling and Making Specimens from Freshly Mixed Concrete
 - C172 Practice for Sampling Freshly Mixed Concrete
 - C31 Practice for Making and Curing Concrete Test Specimens in the Field
- ▶ Testing and Properties of Fresh Concrete
 - C143 Test Method for Slump of Hydraulic-Cement Concrete
 - C138 Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete

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Outline (2/2)

- ▶ Testing and Properties of Hardened Concrete
 - C39 Test Method for Compression Strength of Cylindrical/cube concrete Specimens
 - C1202 Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration

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