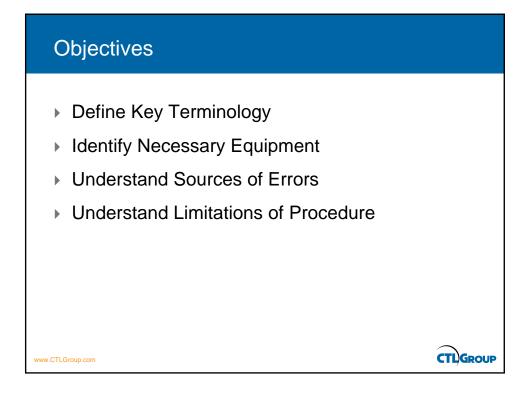
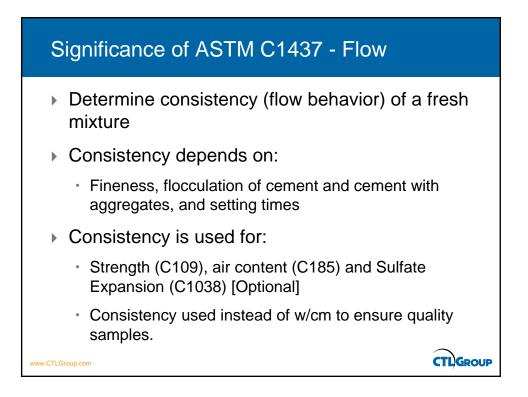


Outline	
 Objectives 	
Related Procedures	
 Scope/Significance and Use 	
Key Terminology	
 Apparatus 	
 Temperature and Humidity Requirements 	
 Procedure Molding Specimen 	
 Procedure Determining Flow 	
Understand Limitations of Procedure www.CTLGroup.com	



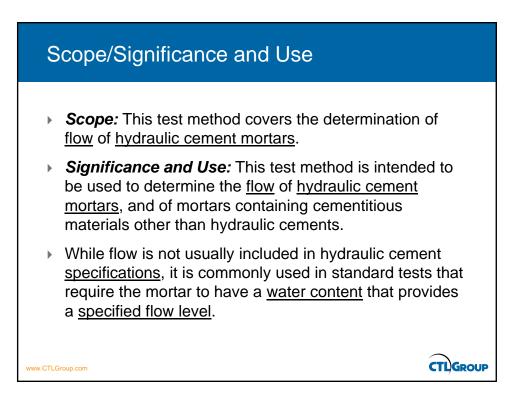


Related Procedures

- ASTM C109 Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- ASTM C185 Test Method for Air Content of Hydraulic Cement Mortar
- ASTM C230 Specification for Flow Table for Use in Tests of Hydraulic Cement
- ASTM C511 Specification for Mixing Rooms, Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the Testing of Hydraulic Cements and Concretes

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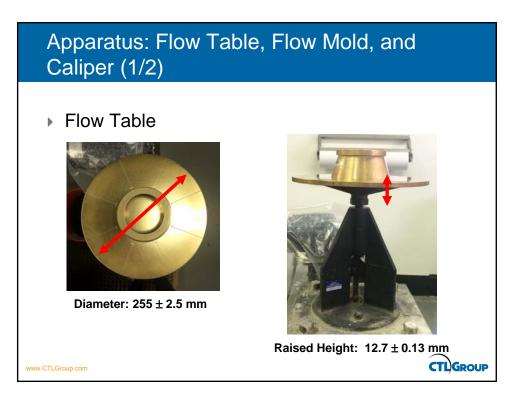
Key Terminology

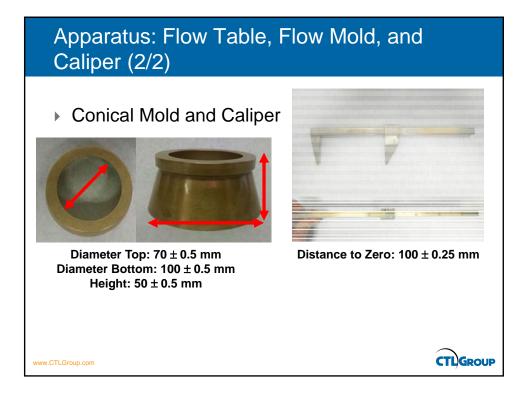
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- Hydraulic Cement a <u>binding material</u> that <u>sets</u> and <u>hardens</u> by chemical reaction with water and is capable of doing so <u>underwater</u>. For example, <u>portland cement</u> and <u>slag cement</u> are hydraulic cements
- Mortar a mixture of <u>cement paste</u> and <u>fine aggregate</u>.
- Flow a measure of the <u>consistency</u> of freshly mixed <u>mortar</u>, or <u>cement paste</u> expressed in terms of the increase in diameter of a molded truncated cone specimen after jigging a specified number of times.

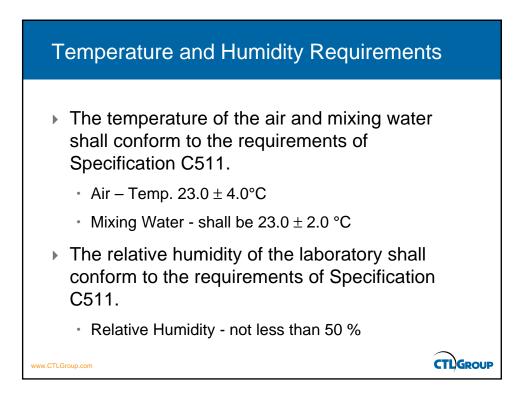
Source: American Concrete Institute CT-13: ACI Concrete Terminology

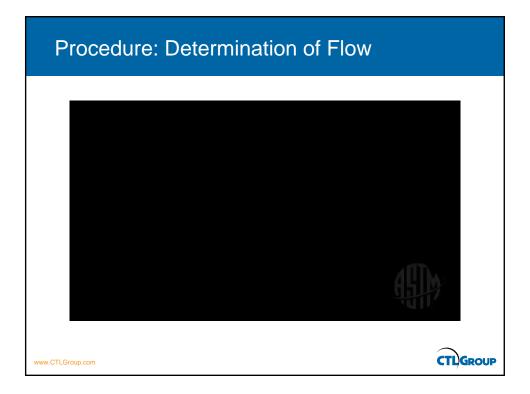
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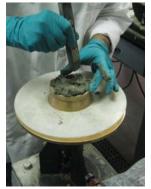
Procedure: Determination of Flow (1/3)



1. Place 25 mm Layer



2. Tamp 20 Times. Incline Tamper when Near Perimeter.



3. Fill Mold and Tamp as Specified.

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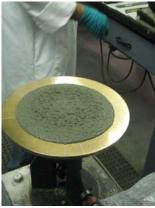
Procedure: Determination of Flow (3/3)



6. Lift Mold 1 Minute after Mixing.



7. Immediately Drop the Table 25 times in 15s.



8. Measure the Diameter Across Four Scribed Lines.

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