



American Concrete Institute®
Advancing concrete knowledge

Committee 544 Fiber Reinforced Concrete

Agenda

ACI 544-F – FRC Durability Committee Meeting,

Tuesday, October 18, 2011, 10:30 AM - 12 PM

Duke Energy Convention Center
Cincinnati, OH

Room: C-201

- CALL TO ORDER and INTRODUCTIONS
- APPROVAL OF AGENDA FOR CINCINNATI MEETING
- REVIEW COMMITTEE MEMBERSHIP AND REQUEST SECRETARY NOMINATION
- ANNOUNCEMENTS
 - 544F & 236-0D session, Cincinnati, OH, 2011 Fall Convention: “FRC: smart materials and sensors”; half day session, October 18th, 2011, 9:00 – 12:00 a.m.
 - ACI SP “Advancements in FRC durability and field applications”, in progress.
 - Other announcements
- LIAISON REPORTS
 - ACI, ASTM, RILEM committees
- ACTIVITIES
 - TECHNOTES: Review status of one submitted TechNote and solicit work for remaining documents
 - Permeability of FRC – Jean-Philippe Charron and Corina Aldea, reviewed by subcommittee members.
 - Effect of fibers on shrinkage cracking – Jeff Nowak
 - Effect of fibers on freeze-thaw resistance – Cliff MacDonald

- Corrosion resistance of FRC – Joaquim Barros
- Blast resistance of FRC – Liberato Ferrara, long term.

- Other technical notes?

- NEW TECHNICAL SESSIONS – FRC durability/sustainability?

- NEW BUSINESS
 - Assign task groups for ACI 544.5R-10 revisions
 - Chapter 1 – Introduction and scope
 - Chapter 2 – Notation, definitions, and acronyms
 - Chapter 3 – Physical properties of FRC
 - Creep
 - Shrinkage
 - Permeability and diffusion
 - Rheology
 - Electrical properties
 - Thermal conductivity
 - Chapter 4 – Durability of FRC
 - Extreme temperatures and fire
 - Freezing and thawing
 - Degradation and embrittlement due to alkali attack and bundle effect
 - Weathering and scaling
 - Corrosion resistance
 - Chapter 5 – Applications and durability-based design
 - Case studies of applications of FRC materials and durability
 - Chapter 6 - References

- OTHER BUSINESS / PRESENTATIONS / INFORMAL DISCUSSION OF PROJECTS & TECHNICAL SESSIONS

- ADJOURNMENT