



Meeting Agenda

ACI 302 Construction of Concrete Floors

Anaheim, CA / D-Magic Kingdom 2

Monday, October 16, 2017 / 0830 – 1300 HRS

Mission: Develop and report information on materials and procedures for the construction of concrete floors.

Committee Members

Rick Smith*** Chair	Russell Neudeck* Secretary	Bruce Suprenant*** TAC Contact
Allen Face**	Brad Fricks*	Phil Kopf**
Barry Foreman***	Jeff Miller*	Rick Felder*
Bill Phelan**	Joe Neuber*	Scott Metzger**
Bryan Birdwell***	John Rohrer*	Scott Niemitalo*
Chris Tull***	Kevin MacDonald**	Scott Tarr***
Craig Dahlgren**	Mike McPhee**	Steve Lloyd*
Darryl Manuel**	Nigel Parkes**	Tim Robinson*
David Buzzelli*	Pat Harrison***	Tommy Ruttura*
Ed Finkel***	Paul Rouis***	Warren McPherson**
Greg Fricks*	Peter Craig***	

Committee Balance

Users / Finishers*	Producers**	General Interest / Consultants***
14	8	11

Consultative Members

Terry Fricks	Jerry Holland	Eldon Tipping
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Invited Guests

1. Administrative

- 1.1. Introductions
- 1.2. Please sign one of the sign in sheets and return to Chairman
- 1.3. Confirm your E-Mail on the ACI Website (www.concrete.org)

- 1.4. Establish Quorum
- 1.5. Approval of Previous Meeting Minutes
- 1.6. Announcements
 - 1.6.1. New Member Applications – Thanks to Bev Garnett
 - 1.6.2. Committee Balance
 - 1.6.3. Shannon Hale, Translation Coordinator, English to Spanish. Wait until new document is published.
 - 1.6.4. Juan Roberto Pompo - RILEM TC 268-SIF, Surface Delamination of Industrial Floors and Other Durability Related Aspects Guide

To prevent delamination :

- Max 3.0% air content in fresh concrete
- Max. 1.0% superplasticiser based on PCE to 1.0% of the content by weight of cement in the concrete
- Minimum water content of 180 l/m³ of concrete and a minimal cement content of 320 kg/m³ of concrete composition when using PCE
- Continuous particle size distribution of the inert skeleton (aggregates, including the sand).
- Limitation of the content of fines (<0.125 mm) to 370 kg/m³ of concrete and the content of fine sand (<0.250 mm) to 430 kg/m³ of concrete, including fines.
- To find the correct time for finishing, perform the Dutch Voton test. With a penetration depth of < 35 mm, the concrete will be hard enough to finish the surface.

2. Presentations – 15 to 20-Minutes

- 2.1. _____
- 2.2. _____
- 2.3. _____

3. Liaison Reports

- 3.1. 117 Tolerances – Joint ACI / ASCC (Eldon Tipping / Bruce Suprenant)
- 3.2. 130 Sustainability of Concrete (Kevin MacDonald)
- 3.3. 223 Shrinkage Compensating Concrete (Karl Bakke)
- 3.4. 224 Cracking (_____) (Residential Joint Spacing)
- 3.5. 301 Specification for Concrete (Scott Tarr)
- 3.6. 310-J Polished Concrete (Pat Harrison)
- 3.7. 329 Performance Criteria for Ready Mixed Concrete (Jack Gibbons)
- 3.8. 330 Design and Construction Concrete Parking Lots (Eldon Tipping)
- 3.9. 360 Design of Slabs on Ground (Scott Tarr)

- 3.10. 544 Fiber Reinforced Concrete (Jim Milligan*)
- 3.11. 551 Tilt-up Concrete Construction (Ed McGuire)
- 3.12. 640 Finisher Certification (Bryan Birdwell)
- 3.13. _____ (_____)

4. Old Business

- 4.1. ACI 302.2R

5. New Business

- 5.1. ASTM E1155-2014 / ACI 117 Section 4 (General Discussion)
 - 5.1.1. 2-FT Boundary Condition
 - 5.1.2. $Q_i - 24''$ Curvature Measurements ≤ 10 -FT OC
 - 5.1.3. Minimum Local Value
- 5.2. ACI 302.1R Revisions – Track Your Changes
 - 5.2.1. Chap 1 Introduction (Rick Smith)
 - 5.2.2. Chap 2 Definitions (Chris Tull)
 - 5.2.3. Chap 3 Prebid / Precon (John Rohrer, Allen Face, Bill Phelan, Joe Buongiorno, Rick Smith) ✓
 - 5.2.4. Chap 4 Classes of Floors (Mike McPhee, Scott Niemitalo) ✓
 - Floors to be Polished (Pat Harrison)
 - Limited Joint Floors (Greg Scurto)
 - 5.2.5. Chap 5 Design Considerations (Wayne Walker) ✓
 - Polished Suspended (Pat Harrison)
 - 5.2.6. Chap 6 Site Preparation (Tommy Ruttura, Ed McGuire, David Buzzelli) ✓
 - 5.2.7. Chap 7 Associated Materials (Ed McGuire, Kevin MacDonald, Mike Lynn, Darryl Manuel, Scott Metzger) ✓
 - 5.2.8. Chap 8 Material Proportioning (Pat Harrison, Bill Phelan, Steve Lloyd, Russ Neudeck, Greg Scurto, Joe Neuber, Jerry Holland, Scott Tarr, Chris Tull, Joe Buongiorno) ✓
 - 5.2.9. Chap 9 Batch, Mix, Transport (David Buzzelli, Tommy Ruttura, Steve Lloyd, Tom Binkowski, Joe Buongiorno, ✓)
 - 5.2.10. Chap 10 Place, Consolidate, Finish, Cutting (Bryan Birdwell, Mike McPhee, Tony Lampasona, Steve Lloyd, Pat Harrison, Lenny Gagliardi) ✓
 - 5.2.11. Chap 11 Cure, Protect, Joint Fill (Scott Metzger, Craig Dahlgren, Scott Tarr, Darryl Manuel) ✓
 - 5.2.12. Chap 12 Quality Control (Bryan Birdwell, Steve Lloyd, Bill Phelan) ✓

5.2.13. Chap 13 Imperfections (Bryan Birdwell, Scott Tarr, Rick Smith, Peter Craig, Darryl Manuel, Mike Lynn)

6. Task Group Reports / Update

- 6.1. Liquid Surface Treatments – Darryl Manuel**
- 6.2. Curling Study Over Vapor Retarders – Bill Phelan**
- 6.3. ASTM E1155-2014 / ACI 117 Section 4 (Do we need this?)**

7. Adjournment

- 7.1. Spring 2018 - Concrete Elevated, March 25-29, Grand America & Little America, Salt Lake City, UT.**