

Minutes

ACI 308 Curing Concrete

Wednesday, October 20, 2021 – 1300-1600 EDT

Virtual GoToMeeting

Meeting Room: Virtual – Log onto ACI event page once registered
(<https://event.crowdcompass.com/acif21>)

1.01 Introductions- 1:06

- Virtual format due to COVID-19 restrictions

Joshua Carroll (v)

Larry Taber (v)

Shannon Banchemo

Cecil Jones (v)

Dave Suchorski (v)

Jonathan Dongell (v)

Michael Faubel (v)

Mindy Kruggel

Ron Kozikowski (v)

Anita Vuhkovska

Dave Hoyt (v)

Matt Senecal

Nick Sorrentino

Carlito Cascone

Jason Barnes (v)

Ben Wiese (v)

Kamal Khayat

Rick Yelton

Katie Amelio

Frank Kozeliski

Jason Weiss

1.02 Committee Leadership Logistics

- Chair of ACI 308
- Secretary of ACI 308
- Potential for Temporary Vice-Chair of ACI 308
- Chair of sub-committee ACI 308B

1.03 Spring 2021 Virtual Meeting Minutes- No minutes from last meeting

1.04 Membership

- Voting Member interest from Associate Member

1.05 TAC Dates

Activity	Summer August 11, 2021	Fall November 17, 2021	Winter February 9, 2022	Spring May 18, 2022	Summer August 10, 2022	Fall November 16, 2022
Final 30-day letter ballot issued	April 7, 2021	July 7, 2021	October 6, 2021	December 29, 2022	April 6, 2022	July 13, 2022
Committee-approved document submitted to staff for editorial review	May 24, 2021	August 30, 2021	December 1, 2021	February 14, 2022	May 23, 2022	September 5, 2022
Document submitted to TAC and external reviewers	June 28, 2021	October 4, 2021	January 3, 2022	March 21, 2022	June 27, 2022	October 3, 2022
TAC Review Group conference calls	August 2, 2021	November 8, 2021	January 31, 2022	April 25, 2022	August 1, 2022	November 7, 2022
TAC review	August 11, 2021	November 17, 2021	February 9, 2022	May 18, 2022	August 10, 2022	November 16, 2022

1.06 Recent Committee Activities and Correspondence

- 310-308 TG2 Curing of Decorative Concrete Update
 - New Chair of Task Group
 - Study published on the Decorative Concrete study that was conducted by the group, form release was removed in the publication, and looking to re-publish with the information that was removed.
 - More research needs to be done on materials on stamped concrete
 - Try to get more publications, next steps with research and funding

1.07 ASTM Activities

- 09.22 Materials Applied to New Concrete Surfaces will be looking to have a virtual meeting this next convention if not in person. Rick Yelton is reaching out to ASTM Staff to get a time slot.

1.08 Update on 308-A, Curing-Guide Activities: Ron Kozikowski/Josh Carroll Discussed the current state of the document and looking for ideas and any participation from the group.

1.09 Internal Curing Report 308-213R-13 (Reapprove) Report is past the time. Need a ballot for the committee to reapprove the document. If passes, make

editorial changes on the references, no technical changes or member changes, the report would then go to staff and TAC.

- (Administrative Ballot) committee to reapprove ACI (308-213)R-13 “Report of Internally Cured Concrete Using Prewetted Absorptive Lightweight Aggregate” Work with 213 Chair (10 yes/ 0 no)

1.10 Update on 308-B, Curing-Specifications Activities: Larry Taber

- Discussion and resolution of comments on most recent ballot
- Motion for Negative resolution- Committee finds Oscar Antommattei’s negative from ballot ending on 25 October 2020 persuasive. The committee is resolving the negative by removing sections 3.1.3 and 3.3.4.6. Motion by (L. Taber), Seconded (D. Hoyt) (10 yes/ 0 no)
- Replace Section 3.1.1, which currently reads “Start initial curing of concrete immediately after concrete placement. Continue until final finishing using a method specified in 3.2, unless otherwise specified.” with “If bleed water sheen is not visible on surface of concrete after strike-off and initial bull floating, provide initial curing. Continue until final finishing using method specified in 3.2, unless otherwise specified.” Motion by (L. Taber), Seconded (D. Hoyt) (10 yes/ 0 no)
- Will be sent to Staff for review

1.11 Update on Curing TechNote: Larry Taber (J. Carroll and B. Wiese) will help

1.12 ACI Foundation’s CRC research sponsorship: Larry Taber on Advisory Committee

- Dr. Mehdi Khanzadeh’s ongoing research titled “Determination of the Curing Efficiency of Externally and Internally Cured Concrete Using Neutron Radiography”

1.13 What’s New in Curing Concrete?

- Short presentations or photos for the good of the committee are welcome!
- Jason Barnes- Presentation Shrinkage Compensation Admixtures using Fiber and different products working together and reducing downtime on the construction schedule, in conjunction with presentation from Colorado. Next session?

- Potentially use the joint work 310-308 TG2 Curing of Decorative Concrete as a presentation (D. Hoyt)
- Potential presentations, mini sessions (notify staff 1 session out- 1 hour during normal meeting), or full session (notify staff 2 sessions out- 2 hours in its own timeslot)
 - Name
 - Title
 - Abstract

1.14 Old Business

- None

1.15 New Business

- Professor Jung H Yeon ACI CRC proposal “Development of a Phase Change Material-Based Heat-Absorbing Surface Covering for Concrete Pavements/Bridge Decks”- Administrative Ballot would need a representative from our committee
- ACI 305, 306, 308 Super Session Tri-Sponsor Spring 2023 What’s going on right now in construction with Adverse Weather concept for session (new items or publications) Looking for Speakers, papers, case studies, coordinating or moderating (M. Faubel) 2- sessions (D. Suchorski could moderate)
- New Tech Note on Contractor use of the nomograph measure and use of it properly
- B. Wiese- Curing performance of products on C309, some specifications are calling out products that are not membrane forming (investigate doing some research) (R. Kozikowski, L. Taber)
- J. Weiss Co-Sponsor a session with 213 for session on “Drying in Concrete at Early Ages” at the ACI Concrete Convention–Spring 2024, April 2 to 6, San Francisco, CA USA; sponsored by ACI Committee 231, Early-Age Concrete.

Solicited: Presentations are solicited on field measurement, experimental measurement or computation of effects of drying on concrete at early ages – especially when a variety of placement methods are used. The main objective of this session is to present a broad perspective on the important issues related to printed, sprayed, or cast structures. By attending this session, attendees will be able to recognize the role that the environmental conditions play on early-age concrete. Presenters will share findings, discuss

strategies to reduce the negative potential impacts, or to outline models to describe this behavior.

Requirements: 1) presentation/paper title; 2) author name(s), affiliation, and mailing address (if more than one author, indicate who will be the corresponding author); and 3) abstract with a maximum length of 300 words.

Deadline: Abstracts are due by March 15, 2022.

Send to: Jason Weiss, Oregon State University, email:

Jason.weiss@oregonstate.edu

- R. Kozikowski will have the silicate as a curing compound work completed next spring and hoping to present to our committee. The industry struggles with poor curing of slabs with applied silicates that do not meet ASTM C309.

1.16 Adjournment- 3:04