MARK YOUR CALENDAR FOR THESE OTHER UPCOMING EVENTS

**Thirsty Thursday – SGCC Plant QA Requirements for 2020**
November 21, 2019
webinar

**Thirsty Thursday – Preventing Scratches and Edge Damage**
December 12, 2019
webinar

**Annual Conference**
January 13-15, 2020
La Jolla, CA

**BEC Conference**
March 1-3, 2020
Nashville, TN

REGISTER NOW!
Topics

1. Review of the Standards
2. Overview of ASTM
3. Current Task Group Activities
4. Update and Take-Aways
Herding the Cats at ASTM
Technical Committees:

*E06—Performance of Buildings* (1247 members)

Subcommittees under E06:

*E06.22—Durability Performance of Building Constructions* (231 members)

Task Groups: 4

- **E06.22.05** Sealed Insulating Glass (Haberer) (45 members)
- **E06.22.02** Gas Filling (Ernst) (45 members)
Committee Structure

Main Committee:

E06—Performance of Buildings

Subcommittee:

E06.22—Durability Performance of Building Constructions

Task Groups:

E06.22.05 Sealed Insulating Glass (Haberer)
E06.22.02 Gas Filling (Ernst)
Current Activities

E2188-10 Accelerated Weathering Test Method
E2189-10 Chemical Fog Test Method
E2190-10 Specification

• 5 year renewal period, 3 year grace
  • Renewal HAD to be completed by end of 2018
• Goals:
  • tighten tolerances/procedures
  • Reduce lab variability
E2188 – Accelerated Weathering Test Method

- **Moisture insertion**
  - Allow steam, mist, or spray
  - Specimens to always be wet during humidity phase

- **UV measurement/control**
  - Upper UV limit set
  - Other UV meters allowed

- **Revised figure showing AW chamber**
  - Chamber design was from 1970’s
    - Design revised in various ways with no verification
  - Corrections made to chamber figures

- **Various other clarifications:**
  - Number of cycles (not just days)
  - Frost point measurement (up to 7 days)
E2189 – Chemical Fog Test

- **UV lamp/meter:**
  - Lamp height clarified
  - Voltage specified (230 VAC)
  - UV meter options included, and better specified

- **Internal Components:**
  - Muntins reduced to 2 bars
  - Allow components allowed (art glass, blinds, etc.)
  - Proportion components

- **Fog Inspection:**
  - No change (Improvements not complete)
E2190 Specification

• Decouple internal components
  • **Baseline Set** testing w/o internal components
    • Still requires one set passing moisture, fog, glass fill—
    • **BUT** no internal components
  • **Internal components** tested for fog **separately**
    • Use same spacer/sealant system as Baseline Set

• Other items
  • Gas Fill for Triples
    • Disqualify triples when AVERAGE of cavities is <50%
  • Revised report form
Ballet Results (Litter Box)

4 rounds of balloting

1\textsuperscript{st} round (May 2017): 1 Negative
2\textsuperscript{nd} round (Aug 2017): 16 Negatives
3\textsuperscript{rd} round (July 2018): 3 Negatives
4\textsuperscript{th} round (Nov 2018): 0 Negatives

ALL 3 STANDARDS NOW PASSED AND PUBLISHED!
Major Take-Aways From Revisions

1. New Standards will be issued in 2019
2. Procedures should have less variability
   (--AND...more work to be done)
3. Muntin specimens need only 2 bars
4. Internal Components decoupled from Baseline Set
Gas Filling: Current Activities

- Gas Filling Standards (Randi Ernst)
  - E2269-14 Argon GC Test
  - Add 2nd method for Ar carrier gas (v. He)
  - E2649-12 Argon SES Test
  - Record all 5 SES readings
  - Hazard Warnings (pacemakers)
  - Verification improvements
    - Physical standards can be used
- New Laser method being reviewed
Questions?

• Next meetings
  • 21 October, 2019, Houston
  • 30 March, 2020, Boston
2020 ANNUAL CONFERENCE
JANUARY 13-15
Hilton Torrey Pines
La Jolla, CA

+ Important Work
+ Essential Information
+ Great Connections

Register Now: glass.org