

IGMA Update

September 2018

NGA Fall Conference

As of September 7, 2018

IGMA

Emerging Technologies & Innovation

Thermal Stress Research Project:

- Development of models for IG – modeling almost complete – draft standard under development

Gas Measurement and Validation:

- Evaluation and validation of new technologies for exotic gases
 - SES, Oxygen Analyzer, GC / working with ASTM and IGCC

Material Transparency (formerly LCA):

- Proposal to re-write the Windows PCR into two documents (residential and commercial) for publication September 2020
- Responded to California AB 262

VIG:

- ISO standard published
- certification testing guideline to be developed / glazing guidelines for VIG

ASTM Field Correlation Study

- RFP finalized and issued to approved laboratories. All bids due mid-November 2018.

Advanced Fenestration Testing

- Now joint with IGCC
- 4 tasks: Provisional Certification Method for 2016/2017 PC Pilot Study / Possible new **INTERIM** Provisional Certification Method / Rapid Assessment Chamber (new chamber has been constructed and delivered) and a Rapid Durability Assessment Method (new PC using RAC chamber)

IGMA

Technical Services Committee

IG Cavity Width Manufacturing Tolerances

- TM-4400-18, Voluntary Guidelines for IG Cavity Width Manufacturing Tolerances - PUBLISHED!
- Webpage development: Impact of Solar Reflectance launched Spring 2018

Design Considerations for IG Cavity Compensation

- Changes in pressure inside IGU cavity due to environmental factors
- Final draft under review
- To be balloted to IGMA Technical Services Committee

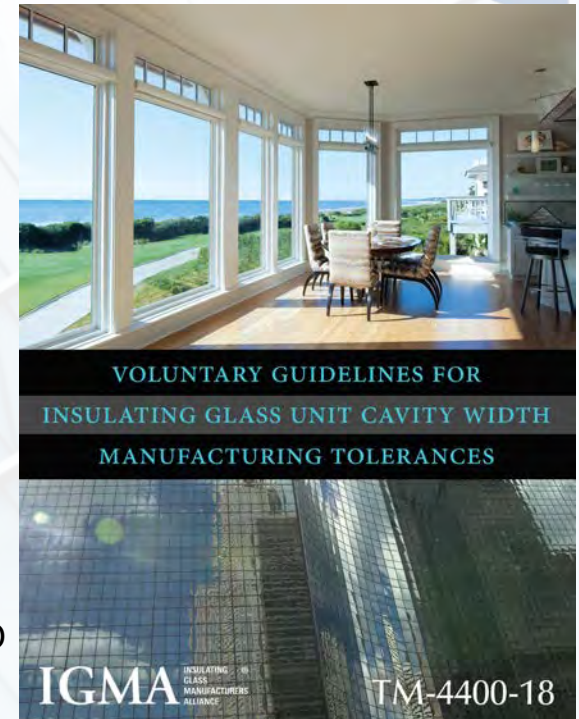
Glazing Guidelines:

- Will be developing glazing guidelines for VIG

Thermal Stress:

- Section on ceramic frit added to TM-1500-14, Design Considerations to Reduce Instances of Thermal Stress

Joint Organizational with IGMA Technical Services Committee Activities reported next slide.



Joint Organizational Activities

With AAMA:

Joint IGMA-AAMA task group on Edge Pressure of IGU's

- Review and develop grid on gasket edge pressure variability on IG due to glass tolerances – determined that there are too many variables
- New sub-task group: investigating the response of IG edge seals to applied edge pressure. Develop new test methodology to determine the point at which an IGU will lose PIB (scalloping)
- Text fixture quotations under review by task group

Visual Quality – A Consumer Guide to Understanding Glass Standards

- Published to the IGMA and AAMA websites. - PUBLISHED

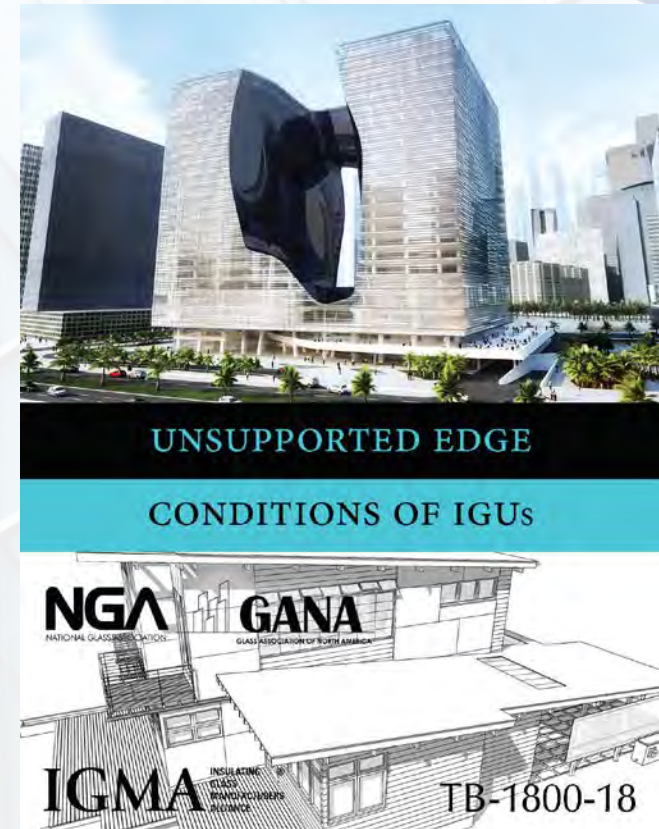
With NGA/GANA:

Glazing Guidelines Work Group:

- TB-1800-18, Unsupported Edges of IGU – PUBLISHED!

PIB Migration:

- Two documents under development
 - Test Methods for compatibility
 - PIB technical bulletin – Committee and Division ballot closed



Certification Committee

Performance of Sealant Adhesion to Spacer & Integrated Spacer Systems.

- TB-2700-18, Sealant Adhesion Test - PUBLISHED

Design Considerations for Over-sized IGUs

- First draft of document

Quality Management System

- TM-4500-16. IGMA Quality Manual - PUBLISHED
- TM-4510-18, IGMA Quality Procedures - PUBLISHED
- TM-4515-XX, IGMA Quality Work Instruction – PUBLISHED

PIB Quality Requirements

- New task group

Desiccant Task Group

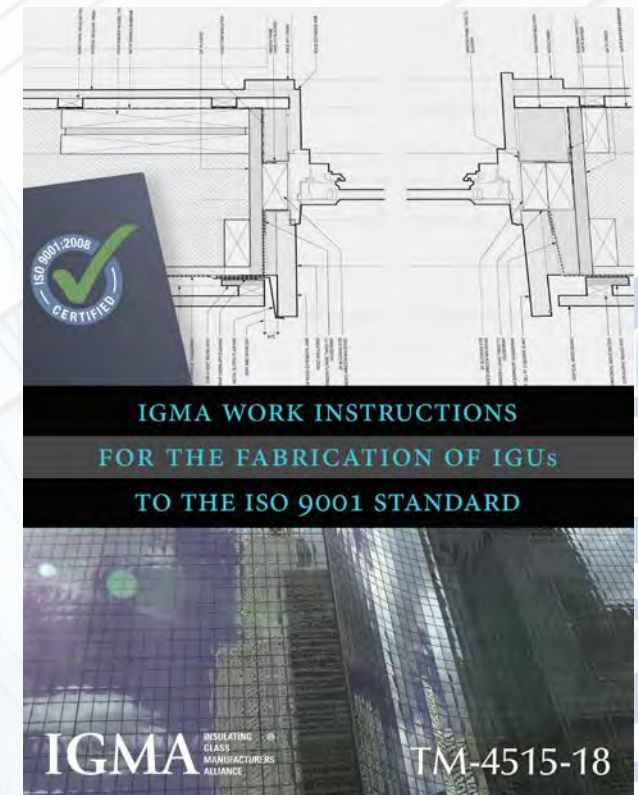
- Developing new test method to determine adsorption and volumetric change to determine pore size (3A and 4A)

Sealant Task Group

- Revising TB-1200, Sealant Survey – minimum sealant dimensions for specific spacer systems
- Combining TM-2400, Test Methods of IG Sealants; TM-2301, Voluntary Test Methods & Voluntary Performance Assurance Criteria for Two Component Sealants, and TR-1000, Chemical Effects of Glazing Compounds on Elastomeric Edge Seals

Spacer Task Group

- Joint with IGCC to develop harmonized spacer codes.



Education & Safety Committee

- Glass Safety Awareness Council Presentation:

- Included near misses, industry fatalities/ silica / legalized marijuana / walking and work surfaces / OSHA reporting.

Do's and Don'ts of Safety

- TM-5000-XX, Do's & Don'ts of Safety draft document under development.

Industry Education

- Hard and soft skills programs

IGMA Education



November 5-9, 2018 /
INTERTEK Plano, TX

PREVENTING IG FAILURES

ONLINE TRAINING

Launched March 2018

*Good leaders build successful companies.
Great leaders educate others to be great leaders.*

LEADERSHIP DEVELOPMENT PROGRAM

- 60-90 minute online modules
- 12 monthly modules in all
- \$1,200 IGMA MEMBERS
- \$1,800 NON-MEMBERS

*First module, February 22, 2017
Later modules third Wednesday each month
Final module, January 31, 2018
2018 IGMA Winter Conference, Tucson, AZ*

IGMA
www.igmaonline.org

Program available in
2018, IGMA
conferences to include
one session

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CONFERENCE

February 4-7, 2019