

# IGMA Update

January 2019

National Glass Association

As of January 16, 2019

IGMA

# Emerging Technologies & Innovation

## Thermal Stress Research Project:

- All research completed.

## Gas Measurement and Validation:

- Evaluation and validation of new technologies for exotic gases
  - New task group: Sparklike Laser Validation

## Material Transparency (formerly LCA):

- Proposal to re-write the Windows PCR into two documents (residential and commercial) for publication September 2020 – Meeting of MOU group held October 5, 2018
- Responded to California AB 262

## VIG:

- ISO standard published
- certification testing guideline to be developed / glazing guidelines for VIG / task group to reconvene in Austin

## ASTM Field Correlation Study

- RFP finalized and issued to approved laboratories. Four facilities responded and the bids have been compiled to be reviewed in Austin.
- Project could start in the second quarter of 2019.

## Advanced Fenestration Testing (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

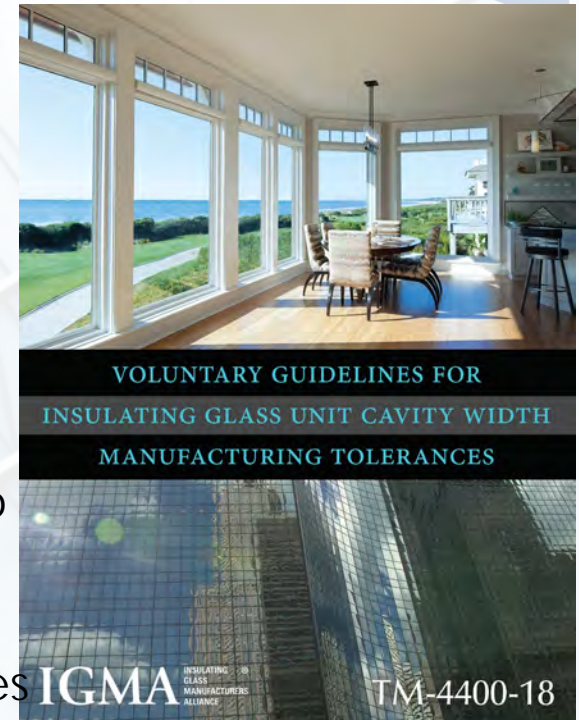
## Glazing Guidelines:

- 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 – PUBLISHED!

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)
- New test fixture under consideration

Visual Quality – A Consumer Guide to Understanding Glass Standards

- Posted to the IGMA and AAMA websites. – PUBLISHED

Pre-testing of Glazing Infill for Hurricane Product

- Under consideration – to be discussed in Austin

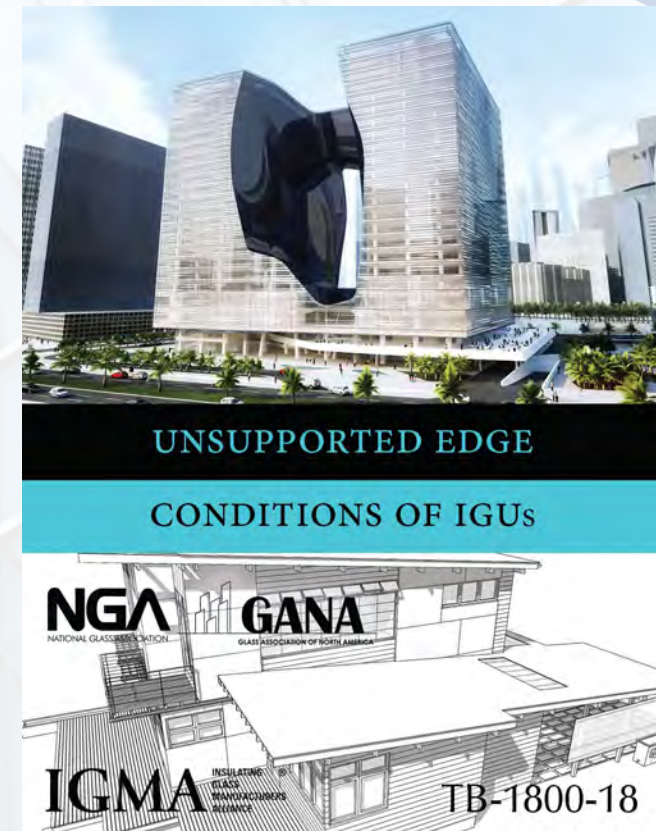
## With NGA/GANA:

Glazing Guidelines Work Group:

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

PIB Migration:

- Two documents under development
  - Test Methods for compatibility
    - Design of Experiment developed to substantiate changes to the IFT Rosenheim test method.
  - PIB technical bulletin – in final stages of approval



# 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-4515-18, IGMA Quality Work Instruction – PUBLISHED
- TM-4520-XX, IGMA Quality Forms – to be balloted to the committee

PIB Quality Performance Requirements

- New task group

Desiccant Task Group

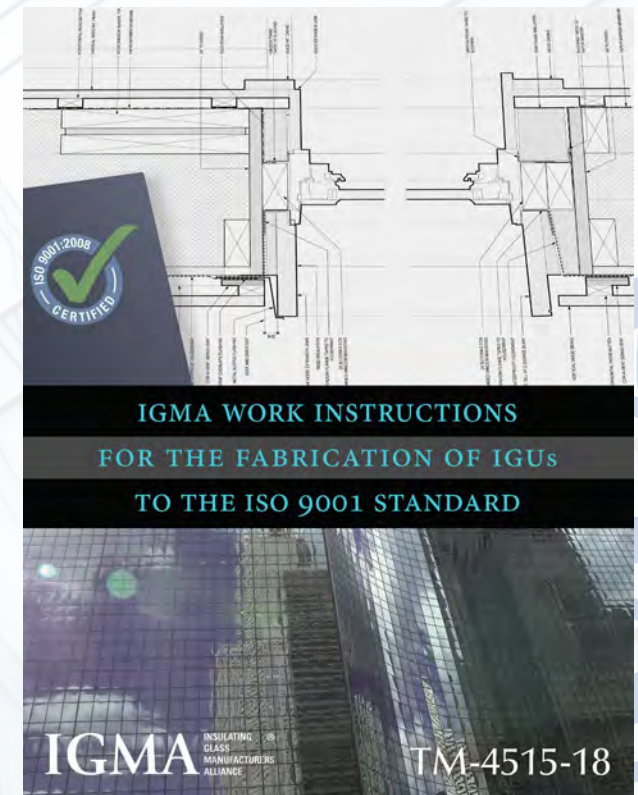
- Developing new test method to determine adsorption and volumetric change to determine pore size (3A and 4A) – joint with IGCC

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 2019/  
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** INSULATING GLAZING MANUFACTURERS ALLIANCE  
[www.igmaonline.org](http://www.igmaonline.org)

New program available  
in 2019, IGMA  
conferences to include  
one session

*This winter...*

*Austin is all yours.*

IGMA WINTER  
CONFERENCE

*February 4-7, 2019*