



Technical Interpretation Policy Committee

March 15, 2006

2:00 pm – 3:00 pm

Chair: William Lingnell, Lingnell Consulting Services

Vice Chair: Randy Van Voorst, Quality Testing, Inc.

Staff Liaison: Bipin Shah

▪ **Roll call**

COMPANY	NAME	SIGNATURE
Lingnell Consulting Services/ IGMA	William Lingnell, Chairman	-
Quality Testing, Inc.	Randy Van Voorst (Vice-Chair)	x
Architectural Testing, Inc.	Mike Thoman	x
WESTLab	Jeff Baker	x
Milgard Manufacturing, Inc.	Bill Gorman	x
Jeld Wen	Steve Strawn	x
Carli	Charlie Curcija	x

Other: Joe Hayden (Pella)

Staff: Bipin Shah

▪ **Pending Business:**

- 1) **TIR-2006-03:** What are the differences (if any) in the simulation procedure for Tubular Day lighting Devices which have a square bottom diffuser section? Is there any variation to account for the diffuser section being larger than the tube diameter?

Interpretation:

For non circular diffuser, for simulation use the circular diffuser with surface area equal to actual non circular diffuser surface area.

Motion: Bill Gorman, Charlie Curcija -Vote: 5-0-1

- 2) **TI-2006-04:** SHGC & VT for unspecified glazing unit for site built products.



Interpretation:

Language as specified to determine SHGC₀ and SHGC₁, VT₀ and VT₁ as specified in NFRC document shall be applicable.

Motion: Randy, Jeff: 6-0-0

- 3) Brad Schultz request to rescind TI's published (See file Brad Schultz request to rescind TIs.txt) and
- 4) Dennis Anderson request for clarification: TI-2006-02 contradicts TI-2005-03 with regard to default frames. Can TIPC clarify why the need for the additional TI request and how does one differentiate one from the other. I contend I can use 2005-03 for all entry door type sidelights – regardless of multiple frames offered.

Action:

Rescind upon publication of NFRC 100, TI-2005-03, and TI-2006-02.

Motion: Jeff Baker, Steve Strawn

Action:

Motion to table the motion and address the issue during the next TIPC conference call.

Motion: Jeff Baker, Steve Strawn 6-0-0

▪ **New Business:**

1. TIR -2006-05: What procedure should be followed for component or spacer substitution with respect to simulation procedures.

Background:

TI-100-96010 revised 10/04/2002 (copy attached), giving guidance on simulation procedures related to component & spacer substitution, was withdrawn after content was transferred into NFRC 100. In the process, the content was merged into NFRC 100 section 4.3.2 entitled “Testing” despite having little to do with testing. None of the content found its way into section 4.3.1 entitled “Simulation”.

This leaves us with no guidance on simulation procedures for component/spacer substitutions.



Interpretation:

Spacer substitution as is written in this paragraph is applicable for testing section only.

Spacer grouping for simulation is covered under section 4.2.4.2.

Provide information about the spacer task group.

Motion: Charlie Curcija, Bill Gorman: Vote: 5-0-1

2. **TIR-2006-06:** Can one group test-only COG options (including between-glass shades) based on the known COG properties without between-glass shades?

Background: This TI Request is in regard to rating Dynamic Glazing Products with between-glass shading devices. I would like to utilize the “Glazing Component Test Procedure” of NFRC 100 and 200 as part of rating these products.

Also, I would like to utilize the COG grouping rules of NFRC 100 and 200 to group different glass sheet thicknesses and therefore reduce the no. of tests necessary to rate all options. Please note that I only wish to group based on glass sheet thickness.

For each glazing option, the COG properties without the between-glass shades are already known via routine simulations with WINDOW5.

Interpretation:

Yes.

U-Factor: For each group, the group leader shall be the tested COG option including the between-glass shade representing the simulated COG option (without the between-glass shade) with the highest COG U-value. The COG U-value of the group leader may be used to represent each COG option within the group.

SHGC For each group, the group leader shall be the tested COG option including the between-glass shade represented the simulated COG in accordance with table 4-1 rules of NFRC 200.

Motion: Charlie Curcija, Bill Gorman: Vote: 5-0-1

3. **TIR-2006-07:** Which Center-of-glazing value is used for the determination of Frame, Spacer and Divider grouping?



Action:
To be addressed via balloted.

- *Next TIPC call April 12 at 2:00 pm ET.*
- **Adjourn**

SCOPE

The NFRC Technical Interpretations Policy Committee (TIPC) will provide oversight and clarification toward the implementation of NFRC's Technical Procedures. Its mission includes, but is not limited to:

- *Developing Technical Interpretations to any adopted NFRC Technical Procedure, or which cross cut Technical Procedures, with input from interested members and program participants and consistent with the intent of the original procedure(s);*
- *Reviewing Technical Memorandums of technical questions from program participants which do not require TIs, as decided by the TIPC;*
- *Working with staff and the Technical Committee to ensure that the Simulator's Workbook is current and consistent with adopted procedures and TIs.*