

Residential Component Based Calculation TG

March 20, 2018

Agenda

- Ballot responses summary
- Status of research
- Software
- Implementation

TrendLine Ballots

- Possibility that ballots will pass
- Documents will be held in abeyance
- Additional ballot possible:
 - when other research is completed;
 - finalization on software usage;
 - completion of simulation manual;
- Other tasks:
 - training is completed;
 - implementation of using methodology and sunsetting of current methodology.

NFRC 100 Ballot Responses

- Approve – 27
- Abstain – 7
- Negatives – 5



Categorization

Implementation

- Require implementation plan (NP)

Characteristics

- Clarification on gap range (Editorial)

Product Types

- TDD (Editorial)
- Curtain wall (NP)

Endpoints / Trendlines

- Endpoint selection (NP)



NFRC 200 Ballot Responses

- Approve – 28
- Abstain – 7
- Negatives – 2



Categorization

Implementation

- Require implementation plan (NP)
- May use TrendLine (NP)

Simulation Procedure

- Clarification (NP)



Status of Research

- Grids — *Manufacturers & WESTLab*
- Skylights — *Intertek / UL*
- SGD & BBG — *WESTLab*
- Spandrels — *Spandrel TG*
- Condensation Index — *Condensation TG*

[RCBC Task List](#)



Grids Research

WESTLab

- Research if grids make the gas fill a dependent variable instead of being able to be combined into 1 trendline. Does R2 minimum indicate if/when the trendline needs to be broken out?

Licensees

- TL w/ & w/o grids – define grids look at R2

Skylights

Intertek / UL

- Skylights - if TL works for skylights (20°)

SGD, BBG, & Spandrels

WESTLab

- Sliding Glass Door with Bottom Panels
- Blinds between glass – to look at blinds' characteristics to establish TL.

Spandrel TG

- Spandrel update

Condensation Index

CR TG

- NFRC 500 / 501 ballots for 2018 spring meeting
 - Procedure comments such as TC location
 - Recommendation on clarifying calculation
 - Philosophical comments:
 - Removing of 30/50/70% humidities
 - Harmonization with AAMA & CSA
 - Research on effects to products



Software

Staff, J. Baker, L. Turner

- Excel file
- Provide simulators meeting (f2f) - training

Implementation

- Not there yet, but a list has started
 - Develop pilot program plan
 - Simulation manual
 - Sunset of current methodology