

Meeting Notes
NFRC Interior Attachments TG
8-13-2008

Attendees:

Dennis Anderson, Dennis Roberts, Fred Higgins, Kerry Haglund, Steve Harp, Thomas Morrissey, Tom Merker, William duPont, Mike Cienian, Robert Simons, Sanjiv Malkan, Dianne Beal, Scott Hanlon, Scott Pauley, Ross McCluney, Myrna Pula, Sol Goldenberg, Ren Judkins

Notes:

- Mike Cienian opened the meeting with a Role call
- Antitrust statement was reiterated
- Agenda was review with no additions made
- Chicago NFRC conference was discussed – key points
 - TG presented to membership and to the Attachments sub committee
 - Presentation was well received
 - Scope was reduced to focus on developing the technical documents required to achieve a rating for interior attachments
 - Fred Higgins – the TG has the focus of the membership, we should keep pushing forward.
- Comment was made regarding overall rating that would include Thermal and Solar optical performance – would this be a better approach?
 - Ross McCluney stated the NFRC has tried that approach in the past an it over complicates the process – that is why the thermal and solar optical are done individually now
 - Mike Cienian – We are trying to stay within the current NFRC processes and guidelines to facilitate a quicker path to success and to simplify the TG's work
- Sol Goldenberg – Posed a question regarding the validity of the Window software modeling of attachments and how it compares to real life testing.
 - Willie DuPont – Responded with the explanation that NFRC is currently validating the models in the software and will adjust as needed if and errors are found.
 - Mike Cienian – Requested that Sol provide his findings and test results to the TG for review
- Mike Cienian reviewed the reduced TG scope that was voted in place during the conference.
 - The reduction was suggested by Fred Higgins to simplify the TG's work and speed up our overall process
- Dennis Anderson pointed out that the word “fenestration” was missing from the scope statement and should be included to create consistency with the other Attachments TG's scope statements

- Mike Cienian agreed and the word was added.
- Mike Cienian reviewed the events that have led up to the current state the TG to help bring new members up to speed
 - Using a whole window approach, not COG
 - Utilize existing NFRC base case windows when ever possible
 - Follow the path laid by the Films TG
- Willie duPont reviewed the selection of base case windows
 - Initially used the base case windows from the Film TG
 - Added windows to present a greater range of SHGC values
 - Added Skylights
 - Provided performance values for comparative purposes
 - Need to finish adding values for Skylights
 - Need to add missing Film TG windows to list
 - Willie wants to provide the finalized list to the TG for approval
 - Are we using wood frames or aluminum or both
 - All will be air filled
 - Several comments were made regarding gas verses air filled
 - Explanation given for air was related to the leeching of the gas and the difficulty associated with measuring the % gas fill in testing.
 - Mike Cienian will present the list of base case windows at the next full meeting of the WCMA (9-10-2008)
 - Willie duPont tasked with completing the base case windows list prior to the WCMA meeting
- Ren Judkins posed a concern regarding the inclusion of air infiltration into the TG testing process
 - Several comments were made concerning the over complication that this presents to the determination of a reference thermal conductance value and that there are NFRC standards that specifically look at air infiltration
 - Mike Cienian reiterated our desire to stay on track a follow NFRC established processes for thermal performance testing
- Mike Cienian proposed two goals for the TG
 - Develop a draft of the proposed rating technical process for the November NFRC meeting in Jacksonville FL
 - Present a formal ballot on the process at the March 2009 NFRC meeting
 - Scott Hanlon stated that the NFRC is allow a pre-posting of ballot drafts for membership review via the website
 - This allows for comments prior to a formal vote
 - Mike Cienian stated that the TG should endeavor to develop a draft of the ratings process for posting as a draft ballot NLT 9-29-2008
- Mike Cienian instructed the TG to review the existing NFRC standards – 100, 101, 103, 200, 201
 - Mark were the Film TG appears in the 200 series documents
 - Present suggestions for inclusion of the Interior Attachments TG rating process in these documents
- Willie duPont suggested the group look at what new product types, lines and grouping would be required.

- What would the sample dimensions be
 - How would the attachments be mounted
 - How would the samples be instrumented
- NFRC point of contact for technical questions on standards
 - 101 – Willie duPont
 - 201 – Mike Thoman
- Scott Hanlon stated this part of the processes is usually performed with Work Groups
- Mike Cienian set up a time 8-26-2008 @ 5PM EDT to create the applicable WG's
- Scott Hanlon and Dennis Anderson will be present on WG calls to assist
- Scott suggested creating new sections in the standards to accommodate the Interior Attachment needs and not to try and revise an existing section.
- Ross McCluney stated the need to develop a list of product categories to be included in the Window 6 software
 - Stated that we would need to work with LBNL to establish what parameters the software would need to model the product
 - Rob Simons stated that himself and Mike Cienian have been in contact with LBNL on this subject
 - Rob stated that the TG members need to ensure they have updated Mike Cienian with any additional product categories so that the list can be sent to LBNL for review
 - Willie duPont stated that LBNL would likely have to do the initial characterization testing.
- The next TG meeting was scheduled for 9-10-2008 at 5 PM EDT
- Willie duPont asked Scott Hanlon to send out a link to the applicable NFRC standards.
- The meeting was adjourned