

NFRC200 Work Group

of the Interior Attachments Task Group and the Exterior Attachments Work Group

September 30, 2008 Meeting Notes

Attendance:

John Gant	Mike Cienian	Mahabir Bhandari
Dennis Anderson	Tom Merker	Sanjiv Malkan
Scott Hanlon	Ross McCluney	Roger LeBrun
Fred Higgins	Ross DePaola	Scott Pauley

- Reference Windows and Glazing will be determined under Willie DuPont's guidance and project, and will be provided for this NFRC200 revision task.
- The Master Category List of Products is under development, as started in a recent IATG/EATG combined meeting. Sanjiv is the owner of that document. It will be shared at the next IATG/EATG conference call.
- A third important set of information is needed: the Attachment Procedures. This information is more critical to the NFRC200 Work Team for U-Value calculations, so they should lead the effort. It will be on the agenda for the Oct. 1 2:30 pm combined meeting, however.

Discussion returned to this topic during review of Section 5.7.4.1. The placement of an attachment such as a cellular shade impacts its U-Factor performance – whether it is “inside” or “on top” of the interior of the window frame. Manufacturers typically have measured both placements, for those product categories where this variation is possible. Should we rate products in both Locations? Ross McCluney suggests that simplification within NFRC usually leads to the selection of one recommended location (which usually means the better performing location), and add fine print to the product label or information sheet as needed to express this assumption.

Placement Work Team

It is suggested that someone (a third party if necessary) gather manufacturers' data for evaluation to determine how to proceed: Can a single location be identified for each product category? What should the installation guidelines be? Some of these questions were asked by Willie DuPont in a recent meeting, and will impact his research. Tom Merker will take responsibility for gathering manufacturer installation guidelines and preferences, and make a report to the IATG+EATG Task Groups. Sanjiv, Scott, DePaolo, Fred Higgins, and John Gant will provide information on their products. Tom will work closely with Rob Simons as well since the NFRC100 work team is depending on this information.

Installation Documentation will be developed and will become a new section within NFRC100 or within the Simulation Manual. Regarding the Section 5.7.7 Figures of NFRC200: our new section 5.8 will need to reference these or have new figures, and will need additional figures for the Attachment Products to represent placement details and any other appropriate information.

- Section 5.7.4.1. – This section written for the FILM attachment will be a good model for IATG/EATG, and so a Section 5.8 could be written, which uses this basic approach. Manufacturers will need to determine if interior and exterior attachment products are sufficiently evaluated and measured if the glazing SHGC values are changed for the glazing g but not the framing. SHGC is not impacted by the edge effect, but certainly U-factor is. U-Factor is necessary to measure as well, for many but not all products.
- Side note – Low-E films are in R&D and eventually Standard 100 will be edited for them.
- The method of 5.7.4 seems to be applicable to our product categories.
- At some point in the process, the task groups' members will need to determine whether to report the incremental SHGC+U-Factor values of the attachment, or the final values on the reference windows, or both.
- Dennis will share a copy of the draft of Willie's reference glazing worksheet.
- This group will meet again on October 17th. Tom won't be able to attend, so the Placement Work Team will send a report through one of its other members.