



NFRC 2007 Summer Membership Meeting
July 23-26, 2007, Denver, Colorado

MEETING NOTES

Storm Window and Door Task Group

Monday, July 23, 2007

9:00 a.m. – 10:00 a.m.

Chair: *Thom Zaremba, Roetzel & Andress*

1. Thom Zaremba called meeting to order 9:00 AM.

2. Volunteer to take meeting notes – Zina Bulbuc

3. Agenda for July 23rd was reviewed and approved. The conference call notes were reviewed and discussed. After a task group interest sheet was circulated, the antitrust reminder given and attendees were referred to NFRC Meeting Guidelines.

4. With verbal permission from both authors, a “Field Evaluation of Low-E Storm Windows” (“Low-E Paper”) was circulated to the attendees at the task group meeting. The condition of the authors’ permission was that it is to be used exclusively for the immediate purpose of this TG and not be reproduced beyond the task group attendees or placed on the NFRC or other websites.

5. New Business

a. The discussion moved to the development of the technical procedures for rating storm windows. Mike Thoman indicated that tests he has conducted for his clients reveal that no matter how it is done, all low-e storms will rate the same because there is very little, if any, real difference in the emissivity levels of pyrolytic products in the marketplace.

b. There was general agreement that it would be a waste of resources to require simulations and ratings over a reference product if there will be no real range of performance amongst storm window products.

c. It was also noted that the objective of the rating procedure is to provide a fair comparison of one storm window to another; not to compare storm windows to replacement windows.

It was suggested and there was general agreement amongst attendees that an NFRC white paper be published correlating center of glass U-factor and SHGC measurements to a category system of energy savings and labeling, for example, Category A, B, C and D products. Such a categorization system could be used for the purpose of building codes, Energy Star, tax credit and other assessments.



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The center of glass category rating system would be developed using several reference windows: (i) 3mm single pane, and either a 1/2" IGU with a 1/4" air space or a 3/4" IGU with a 1/2" air space.

d. **Tom Culp, Jim Krahn, Fred Higgins and Thom Zaremba** volunteered to begin drafting technical rating procedures based on center of glass U-factor and SHGC over the single pane clear and IGU reference windows for presentation by the Fall NFRC meeting.

e. Christian Kohler, one of the authors of the Low-E paper provided the attendees with a summary of its content and findings, namely, that

(i) use of a clear storm will reduce heating loads by approximately 13% with a 10-year pay back, and

(ii) low-e coated storms reduce heating loads by approximately 21% with a 4-5 year pay back.

f. A motion was made to clarify the subject matter of the task group by changing its name from "Storm Door & Window Rating Task Group" to "Storm Door & Storm Window Rating Task Group". The motion was seconded and passes by unanimous voice vote.

6. Action Items:

- Write draft of the technical rating procedure
- Establish Label content

7. Meeting adjourned at 10:05AM. A total of 23 NFRC members were in attendance and a total of 22 signed the interest sheet.

SCOPE

Develop a technical procedure, corresponding PCP language and a label for certifying and labeling storm windows and doors as fenestration attachments.