

## **Air Leakage Task Group: John Lewis, Chairman**

### **The meeting was called to order at 9:50 am**

This was the first meeting of the task group.

**Recording secretary:** Gurjinder Singh Dhami volunteered to record the minutes of the meeting.

**Scope:** A draft scope was developed:

*“Modify NFRC 400 in such a manner that compliance with other air leakage standards satisfy the requirements of NFRC 400.*

Chairman Lewis started the discussion by stating that the goal was to maintain the NFRC 400 document, and add verbiage that would allow other standardized tests (ASTM E 283; NAFS) to be allowed within the shell of NFRC 400.

Dave DeBlock asked if NAFS was referenced internationally; NFRC is being adopted at this level, so it would be wise to provide other alternate tests instead of only allowing NAFS as an approved substitute.

### **Current Issues with NFRC 400:**

- Difference in NFRC and NAFS test sizes
- Reporting
  - Should a rating of 0.0 be allowed?
  - Should the leakage rate be in one, two or three decimals?
  - Testing in a wood buck or in a foam surround?

### **General Discussion**

- **Size Issue:** Mike Thoman suggested adding language to the beginning of the document, stating the test unit sized within the NAFS standard are acceptable.
- **Test parameters:** Scott Hanlon noted that ASTM E 283 does not specify all the test variables, such as test pressure differential, or precision of the test results. Mike Toman suggested the revised document include these requirements.
- **Operating force:** Chairman Lewis stated that it would be prudent to maintain the operating force requirements to prevent a product so tightly weatherstripped that it can hardly be operated, from being listed as in compliance with NFRC 400. It was agreed to keep these requirements in the document. When creating the revised document, referencing the requirements of NAFS should be pursued.
- **Reporting:** If manufacturer decides to use NAFS results, the manufacturer need to have the 2-digit precision numeric results instead of pass/fail.
- **Referencing NAFS:** The NFRC 400 document might reference tables within NAFS instead of recreating the same information within NFRC 400.

Chairman Lewis volunteered to prepare a draft document in advance of the next conference call meeting.

**Timeline:** The group agreed it was realistic to try to complete this revision to NFRC 400 by the end of 2009.

**Next Meeting:** A conference call will be held in approximately 3 weeks; the draft document will be reviewed during this call.

**Adjournment:** There being no further new business, the meeting adjourned at 10:28 am.