



NFRC 2011 Fall Membership Meeting  
November 7-10, 2011, Atlanta, GA

## Minutes

### Thermophysical Properties Subcommittee

Tuesday, November 08, 2011

*Under Research and Technology Committee Block: 7:30 a.m. – 11:30 a.m.  
and 1:00 p.m. – 2:30 p.m.*

Chair: Charlie Curcija, Lawrence Berkeley National Laboratory

Vice Chair: Peter Lyons, Peter Lyons Associates, Inc.

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1. C. Curcija called the meeting to order at 9:37 a.m.
2. S. Wendt was appointed recording secretary.
3. Minutes from July 2011 (Virtual Meeting) were approved as presented.
4. The agenda was reviewed and approved as presented.
5. Reports
  - a. Thermophysical Property manufacturer specific submissions – (R. McGowan, staff)
    - i. R. McGowan reported 5 new submissions since July 11.
  - b. Update on Thermophysical Properties Interlaboratory Comparison – (R. McGowan, staff)
    - i. R. McGowan reported the 2010 Thermophysical Properties ILC was modified adding 3M since they successfully completed their required sample testing. Staff will be considering a new 2012 Thermophysical Properties ILC and a sample for the testing.
  - c. NFRC 101 Task Group – (J. Hayden)
    - i. J. Hayden reported NFRC ballot 101 was submitted and to be reviewed under Unfinished Business.
6. Unfinished Business
  - a. NFRC 101 Ballot
    - i. 001 Associated Labs: B. Schultz (Section 4.2.3) – NEG  
Withdrawn
    - ii. 002 WestLab: J. Baker (Section 4.2.3) – NEG

**MOTION:** J. Hayden / T. Rygg move to find this negative non-persuasive (editorial). Motion fails 6-26

**MOTION:** J. Baker/J. Larsen move to find the negative persuasive (substantive). Motion passes by 25-4.

TG shall modify the section 4.2.3 and replace it with language to have a periodic reaffirmation by letter.
    - iii. 003 LBNL: C. Kohler (Multiple: Section 5.2 and 4.1.1 and Appendix A, Metals tables) – NEG

**MOTION:** C. Kohler / J. Hayden move to find 5.2 with removal of the wave ranges emittance and leave the rest of the sentence as is negative persuasive (substantive). Motion passes by UVV.

**MOTION:** C. Kohler / T. Rygg move to modify the metal descriptions in Appendix A and leave higher emissivity values per LBNL negative. Change current entry "Mill Finished Oxidized" aluminum to "Mill Finished" and the emissivity to 0.05. Motion passes by 13-3-0

**MOTION:** C. Kohler / T. Rygg move to modify steel rolled ground to 0.1 and to steel plated to 0.05 and remove Oxidized Steel. Motion passes by 6-5.

This negative to be reviewed by TG.

- iv. 004 Cardinal Glass: J. Larsen (Appendix C) – NEG  
Withdrawn: Handled by 001 actions.
  - v. 005 Andersen Corporation: S. Johnson (General) – NEG  
withdrawn, handled by previous actions
  - vi. 006 NCTL: M. McDonald (General) – AC  
TG to take into consideration.
  - vii. 007 ATI: M. Thoman (Section 4.1.6) – AC  
MOTION: M. Thoman / T. Rygg move to find the AC Editorial. To put language in 4.1.6 in a new section in section 5.2. Motion passes UVV.
  - viii. C. Nolt to submit information on additional material comments to staff.
7. New Business
    - a. None
  8. The meeting was adjourned at 10:45 a.m.