

## Attachments Optical Properties Task Group Minutes

Thursday, September 17, 2009

3:00 P.M. – 4:00 P.M. EST

Chair: Thomas Morrissey - Hunter Douglas, Inc.

### Participants:

Tom Morrissey (Chair), Ray McGowan (Staff), Mike Rubin, John Gant, William du Pont, Carlos McEntire, Evert Bos, John Grant, Peter Lyons, Rich Watkins, Robert Simons, Ross McCluney, Sneh Kumar, Wayne Foster, Andrew Caldwell

#### 1. Call to Order:

Chair called meeting to order at 3:00 P.M. and conducted a roll call. Anti-trust reminder was given.

#### 2. Review and Approve Agenda:

Verbal meeting agenda was reviewed and approved.

#### 3. New Business:

Solicit participation in new PCP and Labeling task groups. Registration will take place at the November conference.

Mike Rubin gave an overview on standards for properties of shading systems listed on a web page he updates.

<http://sites.google.com/site/windowoptics/Home/data/standards/shade>

That may be the most relevant page, but there is other relevant info on:

<http://sites.google.com/site/windowoptics/Home>

#### 4. Unfinished Business from Last Call:

Discussion revolved around guidelines for optical properties characterization at LBNL

- Current guidelines are to send a light and a dark version of the material only in an 18" x 18" format
- Mike Rubin stated that we should try to keep the initial test group to 100 samples.
- Tom Morrissey suggested that everyone interested in getting products tested bring samples with them to the Fall NFRC meeting so the group could discuss what to send
- Verolux offered to send 6 samples of their screen product
- Comfortex offered to send 6 samples of their product
- Samples need to be in by 10-1-2009 to Tom Morrissey for shipment to LBNL
- John Gant and Carlos McEntire will head up samples from the Awning industry
- Tom will create a chart to maintain a master list of fabrics submitted. Submit info to [tom.morrissey@hunterdouglas.com](mailto:tom.morrissey@hunterdouglas.com)

Mike Rubin discussed the various optical properties standards that are available and detailed on the web sites he emailed to the group.

- Discussion focused on two European standards that Mike recommended
  - EN 14500
  - EB13363-2

ASHRAE 74 was discussed with mention that Hunter Douglas has all the equipment to do that testing and has done it extensively

- Mike Rubin commented that he has heard of some potentially serious issues with the dependability of this test procedure to which Robert Simons agreed.
  - Potential shortcomings were:
    - Procedural – who is running the tests – very experience centric
    - Sky conditions
    - Geographic location
    - Sensor used – bandwidth
    - Repeatability
    - Reproducibility
    - Calibration procedure or standard – or lack of
    - Robert Simons stated he would like to see a standard adopted that does not rely on actual solar radiation. He would prefer one that uses and artificial light source like a Xenon Arc lamp

5. The next conference call will be October 30 @ 3 pm ET.