

## **Exterior Attachments Task Group**

Wednesday July 23, 2008

1:00 P.M. –2:30 P.M.

Char: Fred Higgins, Wayne-Dalton Corp.

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### **1. Call to Order:**

Chair called to order at 1:10 P.M. Introductions were made. This is a joint meeting on attachments so other attachment TG could take part in presentation on European progress on rating attachments. Antitrust reminder was given and no roll call taken. Marcia Falke agreed to take minutes.

### **2. Review and Approve Agenda:**

Meeting agenda was reviewed and approved.

### **3. Approve notes from last call.**

### **4. Unfinished business from last call**

- **4A. Presentation from John Gant**

Awning devices are non co-planar energy savings products.

Professional Awning Manufacturers Association (PAMA) founded in 1967 is a division of Industrial Fabrics Association International (IFAI) and has 350 members.

There are 3 main product variations for awnings: drop arm, fixed frame and lateral retractable.

European Solar-Shading Organization (ES-SO) is a confederation of 16 national associations from European Union responsible for European regulations. [www.es-so.com](http://www.es-so.com). There are 7 Standards that they use and E 14500 has an annex that applies to awnings.

John Gant represents PAMA at NFRC, they are committed to the rating effort and are looking at NFRC to rate their products.

Christian Kohler reported that co-planar products are challenging and not covered in Window 5 or 6.

EN 410 is similar to ISO 9050 but someone needs to see if there are any ISO standards available. CEN committee's usually work in parallel to ISO committee's.

John Gant has copies of all of the EN standards. Scott will distribute working copies to all TG chairs.

We need to look at what sections of these documents cover optical properties. They also cover glare, thermal comfort and other properties

Action Item: John Gant will do a report on how a European manufacturer get products certified and what sections of the standards they are certifying to.

- 4B. Discussion from other Task Groups. Most are trying to rate whole products using existing procedures. We need to consider the benefit to the end user – the consumer.
- 4 C & D. Dr. Ross McCluney gave a presentation to use in developing a strategy on how to proceed.
  - There are 3 types of exterior projecting products:
    - A. Co-Planar Attaching exterior – can do some right now
    - B. Projecting Attaching exterior – need work
    - C, Projecting detached – need work, B & C share geometrical characteristics
  - Tested vs, Calculated Ratings
  - W6 will add sim procedures for some products
  - Can do sun only radiation or add in sky and ground reflected radiation
  - AWNSHADE software was developed by Ross years ago.
  - Suggest doing research in three phases
    - Phase 1 Opaque shading devices only
    - Phase 2 Translucent with no diffuse scattering characteristics
    - Phase 3 Translucent with diffuse scattering characteristics
  - Bipin will find out hat Japan is doing and report back.

Scott will post both presentations on website and we will try to work parts of the presentations into meetings next week as time permits.

## **5. New Business**

Some discussion on W6 use of layers and if adding to W6 it would have to assume no reflection.

Ross will try to have AWNSHADE available in Chicago.

## **6. Meeting adjourned at 2:35 P.M.**

Respectfully submitted by Marcia Falke.