TECHNICAL COMMITTEE AND RESEARCH STUDIES UPDATE

Rich Slomko
CRRC Technical Committee Chair

Mischa Egolf
CRRC Technical Manager

Membership Meeting
Sacramento, CA
May 18, 2018

WHAT IS THE TECHNICAL COMMITTEE?

- Advisory committee to the Board
- Charged with understanding and resolving scientific and technical issues
- Makes non-binding recommendations
- Diverse and balanced group comprised of 32 members (16 voting)
- Meets 3 - 4 times per year

COMMITTEE UPDATES

Since the 2017 Membership Meeting:

- New Alternate Voting Member: Greg Keeler (Owens Corning)
- Two current vacancies
  - Class B Voting Member
  - Class A Alternate Member
    (Board will appoint a candidate this afternoon)

COMMITTEE UPDATES (continued)

- CRRC test method for Directionally Reflective Materials published as ASTM C1864 in late 2017

- Committee's major decisions:
  - ASTM C1371 for coatings on rough substrates
  - Color Family Random Testing procedure
  - Colorimetry testing requirements
  - Three new technical research studies

ACTIVE WORKING GROUPS

- Rough Substrates
- Colorimetry
- Method Evaluation
- Methods & Instruments Subcommittee

UPCOMING MEETINGS

- August 23, 2018 (Chicago)
- October 23, 2018 (conference call)

Interested in attending? Contact:

- Sarah Schneider (sarah@coolroofs.org)
- Mischa Egolf (mischa@coolroofs.org)

RESEARCH STUDIES

2018 Research Studies:

- Coatings on Rough Substrates: Weathering Observation
- Comparison of Solar Reflectance Test Methods

COATINGS ON ROUGH SUBSTRATES

Objective: Observe durability of the underlying rough substrate over period of field exposure in three climate zones

Key details:

- 66 total samples provided by RCMA manufacturer members and CRRC working group
- Observe specimens at 3-month intervals for up to 3 years

Outcome: Approval of specification for coatings on rough substrates

REFLECTANCE METHODS COMPARISON

Objective: Compare results of field and laboratory test methods on varying product types and geometries

Key details:

- 10 products of 4 unique types
- Field testing at Atlas in Phoenix, AZ

Outcome: Robust dataset, reinforcing the validity of values on the CRRC Rated Products Directory

RESEARCH STUDIES

Two additional research studies planned for late 2018 or early 2019:

- Compilation of historical weathering data report
- Rapid Ratings data validation study

THANK YOU!!!

- Manufacturers that donated products
- Atlas Material Testing for providing a worksite

QUESTIONS?