

Annual Membership Meeting June 14, 2017



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





COMMITTEE ROSTER

2016-2017 Technical Committee Roster with Alternates

Voting Member	Company	Alternate	Company
Tim McQuillen	Roof Coatings Manufacturers Association	Steve Heinje	GAF
Ronnen Levinson	Lawrence Berkeley National Laboratory	Hashem Akbari	Concordia University
Andre Desjarlais	Oak Ridge National Laboratory	Chad Fisher	UL
Gary Whittemore	Sika Sarnafil, Inc.	Mike Ennis	Single-Ply Roofing Industry (SPRI)
Bill Morgan	Malarkey Roofing	Marcin Pazera	Owens Corning Roofing and Asphalt, LLC
Scott Kriner	Metal Construction Association	Dan Walker	Metal Building Manufacturers Association
Richard Slomko, Chair	Atlas Material Testing Solutions	Michael Crewdson	Q-Lab Weather Research Service
Ted Best	Valspar	Mark Thimons	American Iron & Steel Institute
Wade Shepherd	Boral Roofing	Rick Olson	Tile Roofing Institute
Kurt Shickman	Global Cool Cities Alliance	Payam Bozorgchami	California Energy Commission
Cindy Campbell	RCMA Americas	Stacey Weister	RCMA Americas
Dan Rardon	Specialty Granules, Inc.	Diana Fisler	Johns Manville
Kurt Sosinski	Tremco, Inc.	Paul Riesebieter	Tremco, Inc.
Annette Sindar, Vice Chair	Eagle Roofing Products	Yoshi Suzuki	MCA Clay Tile
Hal Leland	Western Colloid	Frank Klink	3M
Dave Yarbrough	R&D Services, Inc.	Tyler Westerling	Architectural Testing, Inc.

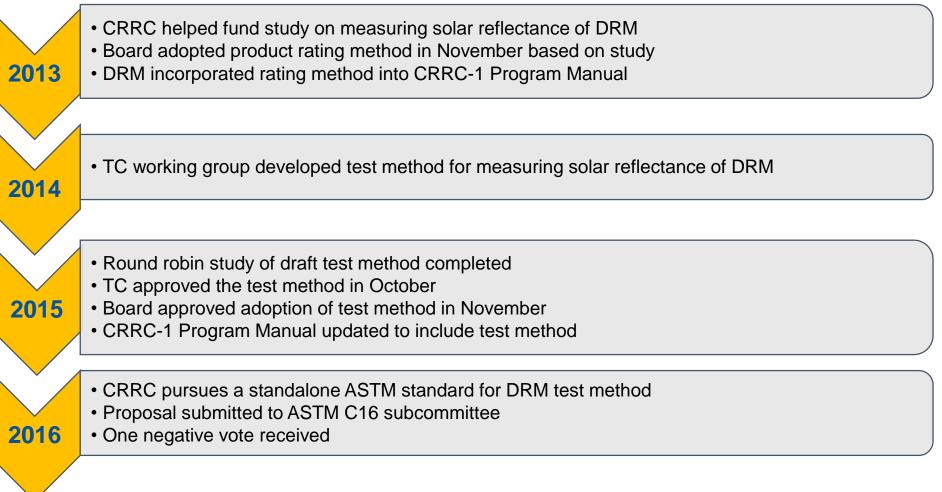


- Board approved the proposed changes to the Technical Committee (TC) Policy to include:
 - -Five permanent positions for:
 - Lawrence Berkeley National Lab
 - Oak Ridge National Lab
 - $\circ \text{Two AITLs}$
 - o One test farm
 - -Increased minimum members to seven



TEST METHODS AND STANDARD PRACTICES

DIRECTIONALLY REFLECTIVE MATERIALS (DRM) - HISTORY





- C16 subcommittee met in Toronto (April)
- Negative vote found as non-persuasive
 Subcommittee voted to override negative vote
- Proposed test method will move to full committee ballot (May/June 2017)



- TC approved requiring photos in product rating process
 - Pending adoption by Board
- Benefits
 - Verifying test specimen requirements
 - Verifying Test Farm Notification notes
 - Investigating problems
 - Integrity of CRRC procedures for testing, aging, rating
 - Added value for manufacturers
- Photos currently required in some cases





COMMITTEE WORKING GROUPS



- Methods & Instruments (M&I) subcommittee established in October 2014
- Standing subcommittee comprised of 5 TC members
- Subcommittee Scope:
 - Discuss and undertake the technical evaluation of new or modified methods or instruments for radiative measurement
 - Report results of discussions and evaluations to the Technical Committee
- Current topics:
 - Dual Ratings for Coatings Specification
 - Aggregate Test Method







Aggregate Test Method A Box of Rocks

Aggregate Test Method C Faux Shingle



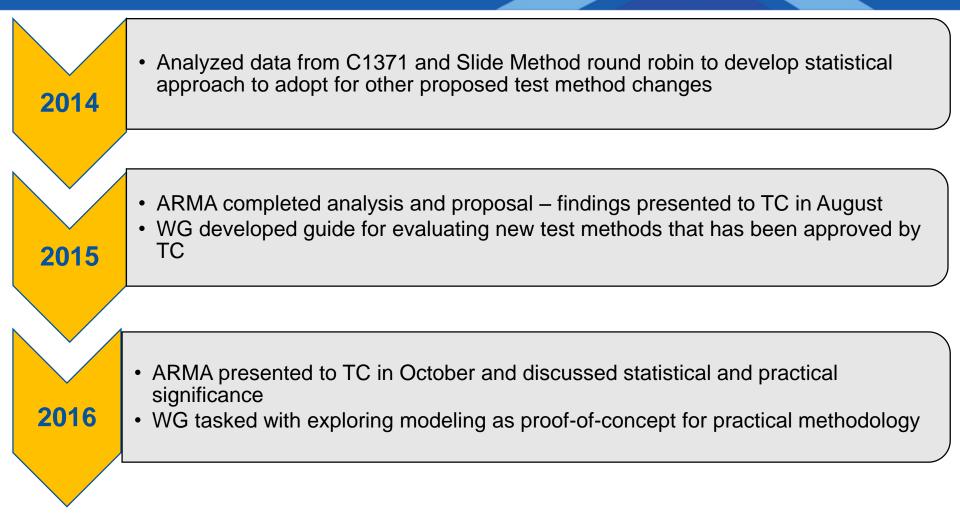
ROUGH SUBSTRATES WORKING GROUP - HISTORY

2012	 RRCI and RCMA studies find lower solar reflectance for coatings on rough substrates
2013	 TC recommendation for dual ratings for coatings Developed draft test procedure
2015	 Working group designed round robin procedure CRRC worked with RCMA to identify manufacturer participants
2016	 Round robin conducted TC reviewed results in August – <i>reproducible & repeatable</i> Board approved dual ratings for coatings



- M&I subcommittee developing specification for dual ratings for coatings (smooth & rough substrates)
- Exploring applicable thermal emittance test method
- RCMA identifying additional coating types to include in weathering
- Will start three-year weathering of rough substrate specimens later in year

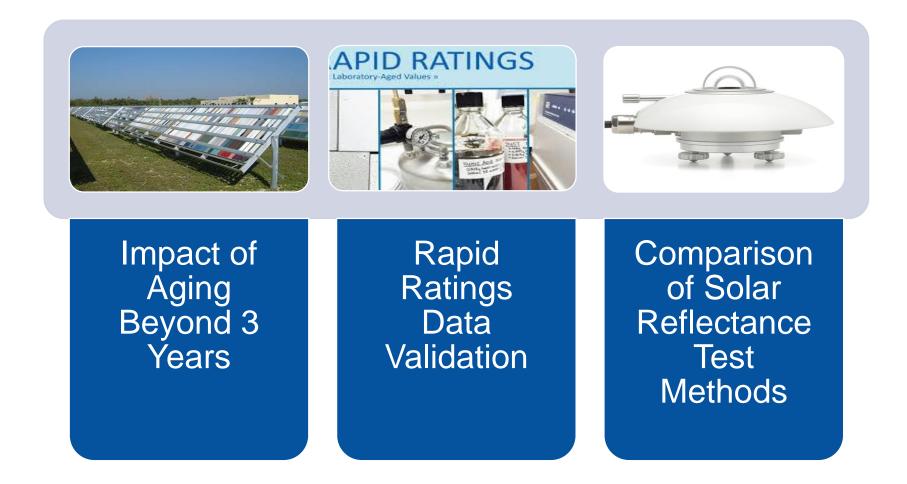






- WG conducted whole building analysis using two modeling software programs (CBECC and EnergyPlus)
- WG will also explore using ASTM E1980 (establishes SRI calculation) as simplified approach to whole building analysis

RESEARCH TOPIC WORKING GROUPS





- August 17, 2017 (In-person meeting)
 Columbus, Ohio
 - -All day
- October 26, 2017 (Conference Call)
 - -2 hours
- Contact
 - For Technical Committee
 - sarah@coolroofs.org
 - For working groups and research projects vanessa@coolroofs.org



QUESTIONS?