



Meeting Attendees

Carrie Niezgocki	3M
Frank Klink	3M
Randy Morgan	3M
Rebecca Everman	3M
Tom Lecorchick	Bitumar, Inc.
Jacques Martin	Building Products of Canada
Alex Pecora	CertainTeed Corporation
Barb McDonough	CertainTeed Corporation
Bob Gardiner	CertainTeed Corporation
Robert Jenkins	CertainTeed Corporation
Kermit Stahl	CertainTeed Corporation
Mark Harner	CertainTeed Corporation
Mark Simon	CertainTeed Corporation
Jeff Stermer	Crafco Inc.
Jennifer Sherwin	Firestone Building Products
Michelle Benatti	Firestone Building Products
William Woodring	GAF
Lynn Picone	GAF
Marty Ward	GAF
Scott Morrison	Haag Engineering Co.
Don Shaw	IKO Production, Inc.
Jay Keating	IKO Production, Inc.
Andrew Ford	Kraton Polymers
Amy Ferryman	Malarkey Roofing Products
Brendan Dineen	Malarkey Roofing Products
Eileen Dutton	Malarkey Roofing Products
Gregory Malarkey	Malarkey Roofing Products
Edward Harrington	Owens Corning
Marcin Pazera	Owens Corning
Sue Burkett	Owens Corning
Sid Dinwiddie	PABCO Roofing Products
Husnu Kalkanoglu	SOPREMA, Inc.
Jean-Francois Cote	SOPREMA, Inc.
Todd Jackson	SOPREMA, Inc.
Johnathan MacBride	Specialty Granules LLC
Aaron Phillips	TAMKO Building Products, Inc.

ARMA Staff, Counsel, & Consultants

Allie Carmichael	ARMA Communications Specialist
Ron Gumucio	ARMA Communications Director

James Hilyard	ARMA Consultant
Jim Kirby	ARMA Director of Technical Services
Mike Fischer	ARMA Director of Codes and Regulatory Compliance
Reed Hitchcock	ARMA Executive Vice President
Mike Deese	ARMA General Counsel
Jared Rothstein	ARMA Industry Affairs Coordinator
Chelsea Ritchie	ARMA Legislative & Regulatory Affairs Coordinator
Adair Douglas	ARMA Staff Associate

Introduction and Opening Remarks

ARMA President, Greg Malarkey, Malarkey Roofing Products, called the meeting to order at 8:32am PDT, thanked the staff, sponsors and attendees for their efforts on behalf of ARMA.

Mike Deese, ARMA General Counsel, reminded attendees that the meeting and all events associated with the meeting would be conducted in accordance with and subject to the ARMA Antitrust Compliance Policy.

Jared Rothstein, ARMA Industry Affairs Coordinator, presented the ARMA 2016 Summer Committee General Business Agenda that had been provided to all those in attendance.

Communications, Marketing and Education Committee Update

Sue Burkett, Owens Corning, presented an update on Construction Materials Engineering Council, Inc. (CMEC) activities. Program highlights included Spanish translation for technical bulletins, new informational videos, social media placement, and the ARMA website. Burkett noted that in 2016 42 million people were reached by ARMA. Also discussed were the educational and promotional activities including the QARC awards and media relations. An overview was given of the 2016 communications highlights and successes including placements in trade magazines, impressions and others. Also discussed was the potential redesign of the ARMA website to improve ARMA's public presence and analytics capabilities. Burkett noted that the ARMA bookstore is in the process of transitioning into E-books and is beginning to generate profit.

Codes Steering Group Update

Mike Fischer reviewed the mission, structure, and activities of the Codes Steering Group and Fischer recognized the members for their participation and support. Fischer provided an update on the ICC Model Code Development and reviewed the schedule of the Group B cycle. The upcoming Public Comment Hearings in October in Kansas City, MO were noted. Fischer highlighted greater collaboration with other industry stakeholders on code activity and strategies. An overview was provided of ARMA's proposals in the current cycle as well as proposals from other stakeholders. Fischer discussed future code development issues including ASHRAE 90.1, 90.2, and 189.1.

Fischer discussed state and local code adoption issues and focused on ARMA's activities at the Florida Building Commission including the update of the Roofing and Testing Application Standards. Additional

future activities at the Florida Building Commission were also discussed including research on building and roofing performance.

ACTION: Mike Fischer will follow up with Florida Building Commission on the status of the Phase 2 Report of the Spray Foam Roof Deck Performance Study.

Fischer discussed other ARMA codes and standards monitoring and activity at ASTM and RICOWI. Stakeholder outreach was discussed for IBHS and the opportunities for ARMA to collaborate on their research and code activities. An overview was provided of the calendar and timeline for the public comment hearings.

Jim Kirby provided an update on the Ventilation Task Force. Kirby discussed ICC code development within the Task Force on attic ventilation related code proposals and communications activities with trade publication articles. Kirby emphasized the importance of language and data support for the passage of the ICC Public Comments. Noted the upcoming ventilation article related to attic ventilation when reroofing and other future communications opportunities.

ACTION: Jim Kirby will develop a process for position development of ARMA's guidance documents with Chairs and Staff.

The Cool Roof Task Force update was given by Kirby; the revised RFP was developed after the ARMA Board of Directors limited the scope of the study to provide greater focus on asphaltic products. Kirby reviewed the bids submitted by the vendors. The next steps will be to have a CRTF meeting and develop a recommendation. This will need to be reviewed by the ARMA Board and approved in order to proceed with the study.

Technical Resource Groups Update

Marcin Pazera provided an update on ASTM D7158. The standard update was led by ARMA with the support of consultants, stakeholders, members, and staff. The standard went out for balloting, and after working with other stakeholders on a number of revisions, the standard was approved at ASTM. Regarding the Florida Building Commission, the update of the Roofing and Testing Application Standards protocols were successful. ARMA developed code modification proposals and worked with other stakeholders to revise the protocols. The Florida Building Commission approved all of ARMA's proposals. ARMA will next be working through the glitch cycle to determine if any other changes are needed in the 6th edition of the code. Fischer gave an update on the Onondaga County Reroofing Project, noting that he is expecting a final report on the project in September. The contractor is also developing a proposed budget if ARMA wants to continue data collection.

There was a break at 10:00am PST.

The meeting resumed at 10:17am PST.

American Society of Civil Engineers (ASEC) Update

Speakers Jennifer Goupil, Ron Hamburger, and Tim Reinhold representing the American Society of Civil Engineers (ASCE) were introduced. Each speaker provided a brief introduction of their experience and past work. A review was given on the development process for ASCE7, its historical development, and the technical changes to the standard. The ASCE representatives discussed the nature of the 2016 standard updates. Noted were some reductions in the wind load maps and the adjustment to the seismic loads depending on the region, as well as revisions to the snow maps. The technical changes to ASCE7-16 and the reasons for the updates were discussed. Ron Hamburger emphasized that participants do not have to be a member of ASCE to belong to the Committee. Tim Reinhold focused the technical changes to ASCE 7-16 Wind Provisions.

“Fortified Wise” Roofing Education Update

Tim Reinhold and Mark Zenhal, IBHS provided an update on IBHS’s “Fortified Wise” Roofing Education Program, research and testing programs. The “Fortified Wise” program is a voluntary independent verification system-based approach to building resilience. An overview of the compliance methods and recommendations for the program was given. The Roofing Compliance Form was distributed.

There was a break at 12:16pm PST.

The meeting was resumed at 1:14pm PST.

Single-Ply Roofing Industry (SPRI) Update

Mike Ennis, Single-Ply Roofing (SPRI), discussed the SPRI Roof System Listing Service Program. Ennis focused on the wind uplift resistance of roofing system assemblies. Ennis also discussed the current process that design professional’s use and why SPRI feels it is needed. An overview of how the SPRI program will work and be implemented was provided. The goal for SPRI’s program is to be a “one stop” database to locate listings that meet code requirements. Ennis asked for members opinions on the program and discussed the scope, work plan, security and functionality.

Roofing Industry Wind Load Panel Discussion

Fischer introduced Lee Shoemaker, Metal Building Manufacturers Association and Mike Ennis, SPRI. Fischer, Shoemaker, and Ennis then discussed the process and outcome of the updates to ASCE-7 and the effects on the roofing industry. Topics discussed were the effects of the updates to different roofing components including parapets, walls, purlins, skylights, and cladding loads. The panel fielded questions from the ARMA members in attendance.

Technical Affairs Committee Update

Sid Dinwiddie, PABCO Roofing Products, presented the Technical Affairs Committee updates. Dinwiddie discussed the update process for technical bulletins and publications and meeting education opportunities for member input.

Amy Ferryman, Malarkey Roofing Products, presented the Sustainability Task Force update. Ferryman noted that ARMA's EPDs are close to completion after UL verification. Ferryman provided an overview of the EPD development process and the method of generating the content for the documents. ARMA's EPDs have been sent to ARMA Legal Counsel Forum for review. The expectation is to have the documents reviewed and approved at the ARMAS Board of Directors Meeting in November.

Jim Kirby discussed ARMA's involvement in the IBHS/RICOWI best practices field guide. Kirby reviewed the outline of the guide and discussed ARMA's involvement in providing input on its development.

ACTION: Jim Kirby will discuss the IBHS/RICOWI Field Guide with the ARMA Executive Committee

There was a break at 3:27pm PST.

The meeting was resumed at 3:40pm PST.

ARMA Health Safety and Environment Committee Update

Annmeza Szeto, IKO Production, Inc. provided an update on the ARMA Health, Safety, and Environment Committee (HSE). The goals of ARMA's Health, Safety, and Environment Committee are to improve involvement from the different member companies, create best practices to be shared with all member companies and to focus on projects such as the ARMA Emission Factor, new OSHA Silica Standard, IH database, and the Washington State Roof Runoff Toxicology Study. Szeto provided a summary of the Accident Prevention Contest created by ARMA's Health, Safety, and Environment Committee. Szeto discussed the OSHA Silica Standard and noted that ARMA's HSE held a webinar in July that reviewed the OSHA Silica Standard. ARMA's HSE has teamed up with the Asphalt Institute (AI) to provide information to the EPA to be used to conduct a Risk and Technology Review (RTR). Szeto provided an overview of ARMA's role in the Washington State Roof Runoff Toxicology Study.

Washington State Roof Runoff Toxicology Study Update

Nancy Winters and Taylor Haskins, Washington Department of Ecology were introduced. Winters noted that the focus of the study is to examine roofing runoff in the Puget Sound. Roofing products were identified as a significant source of contaminants from rain runoff. A review was given on the purpose of the study to assess the rate of roofing materials leach depending on different precipitations. Winters discussed how the study was designed, set up, and then conducted. Winters also discussed a new study design for the Washington Stormwater Center to provide additional toxicological analyses. The preliminary results of the second study were shared. Winters thanked ARMA for its assistance.

Adjournment: There being no further business to come before the committee, the meeting was adjourned by general consensus at 5:03 PM PST.