



## Technical Committee Meeting

Morning Session: 8:00 AM to 9:00 AM EDT  
 Afternoon Session: 1:00 PM to 1:30 PM EDT

**Chairs: Greg Keeler, Owens Corning and Heather Estes, GAF**

Agenda Topic	Support Materials	Low Steep Both
<b>MORNING SESSION (8:00 AM to 9:00 AM)</b>		
<b>Call to Order</b> <ul style="list-style-type: none"> <li>• Roll Call (via Sign-in Sheet or Online ID)</li> <li>• Antitrust Reminder</li> <li>• Welcome by Chairs</li> <li>• Agenda Review and Approval</li> <li>• Approval of Minutes</li> </ul>	00 - Antitrust Quick Reference  00 – Minutes 10 August 2023	
<b>ICC Model Energy Codes (IECC and IRC Chapter 11)</b> <ul style="list-style-type: none"> <li>• Process Update and Status Report</li> </ul>		Both
<b>California Energy Code (Title 24, Part 6)</b> <ul style="list-style-type: none"> <li>• Update and Discussion</li> </ul>	01 – Multifamily Comments	Both
<b>Standards Development</b> <ul style="list-style-type: none"> <li>• ASTM International Report</li> <li>• UL LLC Report</li> </ul>		Steep Steep
<b>Stakeholders</b> <ul style="list-style-type: none"> <li>• Cool Roof Rating Council (CRRC) Activity Report</li> <li>• Canadian Asphalt Shingle Manufacturers Association (CASMA) Notice</li> <li>• Insurance Institute for Business &amp; Home Safety (IBHS) Activity</li> <li>• Roofing Industry Committee on Weather Issues (RICOWI) Update</li> <li>• Miami-Dade County Department of Regulatory &amp; Economic Resources Update</li> <li>• Asphalt Institute Asphalt Binder PCR Project Update</li> </ul>		
<b>Legislation</b> <ul style="list-style-type: none"> <li>• Government Affairs Committee Activity Report</li> </ul>		Both
<b>ICC Model Building Codes 2027</b> <ul style="list-style-type: none"> <li>• Discussion of Potential ARMA Proposals</li> </ul>	02 – ICC Proposal Concepts	Both
<b>Recess Until Afternoon Session</b>		

<b>AFTERNOON SESSION (1:00 PM to 1:30 PM)</b>		
<b>Reconvene Meeting</b> <ul style="list-style-type: none"> <li>• Call to Order</li> <li>• Roll Call (via Sign-in Sheet or Online ID)</li> <li>• Antitrust Reminder</li> </ul>		
<b>Sustainability Task Force (STF)</b> <ul style="list-style-type: none"> <li>• LCA/EPD Renewal Project Update</li> <li>• Product Category Rules (PCR) Renewal Project Status</li> <li>• EPD French Translation Project Update</li> </ul>		Both Both Both
<b>Technical Review Task Force (TRTF)</b> <ul style="list-style-type: none"> <li>• Technical Bulletins Status</li> <li>• Modified Bitumen Design Guide Status</li> </ul>		Both
<b>Ventilation Task Force (VTF)</b> <ul style="list-style-type: none"> <li>• VTF Scope</li> <li>• ASTM E2886 Proposal</li> <li>• Ventilation White Paper</li> </ul>		Steep
<b>ICC Model Building Codes 2027</b> <ul style="list-style-type: none"> <li>• Discussion of Potential ARMA Proposals (continued)</li> </ul>	02 – ICC Proposal Concepts	Both
<b>Other Updates</b>		
<b>Action Item Review</b> Next Meeting – 20 Oct 2023, 11:00am – 12:30pm EDT		
<b>Adjournment</b>		

**Zoom Connection Information**

Join Zoom Meeting

<https://us02web.zoom.us/j/86051285910?pwd=TjdLaE00bUIBZE5Xd25HdEpUQUUIUT09>

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To: ARMA Members and Staff

From: Reed Hitchcock, Executive Vice President

**Re: Antitrust Compliance - Quick Reference**

The Asphalt Roofing Manufacturers Association (“ARMA” or “Association”) has in effect an Antitrust Compliance Policy (“Policy”). The Policy is intended for the guidance of ARMA member company representatives, officers, directors and staff, when engaged in any activity conducted in the name of, or on behalf of, ARMA. All such persons are expected to be familiar with the Policy and to follow it both in letter and in spirit.

The following cautionary statements are taken from the full Policy and are intended to be used as a quick reference tool. This document is not a substitute for the full Policy, which is available from the Association’s office and with which all are expected to be conversant. At all Association meetings and events, including informal gatherings before, during or following such meetings and events, ARMA members, their representatives and guests will not discuss any of the following competitively sensitive topics:

1. Current or future prices, price levels, costs or profit margins.
2. What is a fair or rational profit level.
3. Actions which could lead to standardizing or stabilizing prices.
4. Pricing or bidding methodologies or procedures.
5. Pricing practices or strategies, including methods, timing or implementation of price changes.
6. Whether or how prices, warranties or other terms of sale are advertised.
7. Cash or any other discounts, rebates, service charges or other terms and conditions of sale.
8. Credit terms.
9. Product warranty terms.
10. Actual, planned or projected production, production capacity or capacity utilization.
11. Projected demand.
12. Confidential company plans for new products.
13. Dividing or allocating geographic or product markets or customers.
14. Whether or on what terms to do business with a supplier, competitor or customer.
15. Whether or on what terms to solicit other companies’ employees for employment.
16. The business practices of individual firms.
17. The validity of any patent or the terms of any patent license.
18. Ongoing litigation, unless being reported upon by ARMA’s General Counsel or discussed appropriately at ARMA’s Counsel Forum.

We hope the above rules will be helpful as you participate in ARMA meetings and other activities. If you have any questions about antitrust compliance, do not hesitate to contact ARMA’s General Counsel:

**C. Michael Deese**  
ARMA General Counsel  
Howe & Hutton, Ltd.  
Tel: (571) 499-6686 x103  
Email: cmd@howehutton.com



Asphalt Roofing Manufacturers Association  
Technical Committee (TC)  
Committee Virtual Meeting DRAFT Minutes  
Thursday August 10, 2023

**Attendance**

Alex James, CertainTeed LLC  
Ben Abalos, Owens Corning  
Brandon Cox, Owens Corning  
Brendan Dineen, Malarkey Roofing  
Dennis Mathes, Lomanco, Inc.  
Francis Bossé, Building Products of Canada, Corp.  
Frank Greco, IKO Industries, Ltd.  
Greg Keeler, Owens Corning  
Heather Estes, GAF  
Husnu Kalkanoglu, SOPREMA  
Jason Simmons, PRI Construction Materials Technologies, LLC  
Jim Kirby, Siplast  
Jonathan Rivera, Holcim  
Jonathon MacBride, Specialty Granules LLC  
Kerri Eden, TAMKO Building Products LLC  
Lesbia Giron, 3M Industrial Mineral Products Division  
Maureen Kavanagh, 3M Industrial Mineral Products Division  
Michael Stieh, GAF  
Ming Shiao, GAF  
Paul Benensky, CertainTeed LLC  
Robert Sheffield, MTi Polyexe Corporation  
Steven Wadding, Polyglass USA, Inc.  
Tim McQuillen, Johns Manville  
Will Smith, Owens Corning

**Management Team**

Reed Hitchcock, ARMA Executive Vice President  
Aaron R. Phillips, ARMA Vice President of Technical Services  
Lisa Davidson, ARMA Committee Liaison  
Andy Lodge, ARMA Consultant  
Sid Dinwiddie, ARMA Consultant

**Call to Order**

Keeler called meeting to order at 2:02PM EDT. Davidson read the roll call and reviewed the ARMA Antitrust Compliance Policy.

**Motion to approve the agenda as amended, adding *International Code Council* to the Stakeholders section, (Simmons/Kalkanoglu) carried.**

**Motion to approve the ARMA Technical Committee minutes from the June 22, 2023 meeting as presented (Kalkanoglu/Simmons) carried.**

## **Sustainability Task Force**

### *LCA/EPD Project Status Update*

Phillips updated members that UL Environment has certified the EPDs. ARMA staff are currently working with UL Environment on administrative items that need to be completed before the EPDs can be published. It is likely the EPDs will be published within the next few days.

### *Sharing LCI Data Status*

Phillips reported that the ARMA Board of Directors (BOD) will determine if project life cycle inventory (LCI) data will be shared with LCA Commons and/or Sphera's internal database. The BOD requested review of LCI data by each participating member company and ARMA staff is waiting for a response from one company before bringing the issue back to the Board.

### *PCR Renewal Project Update*

UL Environment will open up a project to renew the product category rules for asphalt roofing products. The ARMA Sustainability Task Force (STF) has developed suggested changes to submit during this renewal process. Member companies are also welcome to participate in this process independently.

## **ICC Model Energy Codes (IECC and IRC Chapter 11)**

### *Activity Update*

Phillips reported that the ICC Model Energy Code development process is in the 3<sup>rd</sup> and final round of proposed changes which will create the 2024 IECC and IRC Chapter 11, with ICC subcommittees and committees currently reviewing comments on the 2<sup>nd</sup> Public Comment Draft. He provided process details, including additional potential changes to the roof reflectance additional energy efficiency credits in Table R408.2. Members engaged in a discussion pertaining to the table's technical content. Phillips informed members that ARMA submitted three comments and provided the current status of each comment.

## **State and Local Building Codes**

### *California Energy Code Development Update*

A pre-rulemaking hearing has been set by the California Energy Commission that will deal with single- and multifamily envelope provisions. Phillips reported that there are currently no proposed changes to cool roof requirements in the single-family envelope provisions. He reviewed proposed changes in cool roof provisions for multifamily buildings. Interested parties are encouraged to attend the pre-rulemaking workshop on August 17<sup>th</sup> to share input.

## **Stakeholders**

### *Cool Roof Rating Council (CRRC) Report*

Dinwiddie provided an update from the CRRC Technical Committee meeting, which included approval of the final report of the historical weathering data project and a decision to merge CRRC-1 requirements for "incorrectly exposed specimens" with those for "uncharacteristically damaged specimens". Dinwiddie discussed changes to the ASHRAE 169 standard related to climate zone boundaries and the potential for future changes to affect CRRC exposure sites. The CRRC Board will meet on September 21, 2023.

### *Updating Miami-Dade County Product Approvals to 2023 Codes*

Phillips reviewed changes to underlayment code provisions in the High Velocity Hurricane Zone (HVHZ), indicating that there are now new requirements. Members reviewed an underlayment checklist from Miami-Dade County and discussed alignment of the checklist with the new code provisions. Members engaged in a discussion regarding the checklist, indicating that it does not seem to present information clearly in relation to code requirements. A member indicated that there is a possibility that Miami-Dade County could have additional requirements that are not included on the checklist. Members determined that any issues with the checklist are a matter for individual member companies to address directly with Miami-Dade County.

### *International Code Council (ICC)*

Phillips informed members that the ICC has received accreditation from the Standards Council of Canada (SCC) to contribute to development of National Standards of Canada.

## **Legislation**

### *Government Affairs Committee Activity Report*

Hitchcock provided an update from the Government Affairs Committee (GAC) and indicated that activity has been limited because of the mid-summer recesses. He provided an update on California SB 837, which will next be considered in the California Senate Appropriations Committee.

## **ICC Model Building Codes**

### *Discussion of Potential ARMA Proposals*

Phillips reviewed potential ARMA proposals for the upcoming ICC Model Building Codes cycle. ARMA proposal ICC20 aims to resolve discrepancies in requirements about vent types and locations between the charging paragraph and a subsection. Members agreed that option 2 presented should be ARMA's approach with this proposal.

ICC19 makes the performance path primary and creates an exception for only roof ridge vents to rely on 1/8" mesh. Phillips reported that he had preliminary conversations with stakeholders who suggested that ARMA look into the genesis of the 144 square inch limitation discussed at the prior TC meeting. Discussion ensued about potentially adding a minimum mesh opening and about including roof field vents in the exception. Phillips will make further modifications and bring the proposal back to the committee.

Members continued with review of proposal ICC15, which would provide an avenue for valley lining options in addition to D3909. Members engaged in a discussion pertaining to technical concepts regarding underlayments and fire classifications/materials. Members discussed potential products that are used and if ARMA could improve this code on a technical basis and agreed to continue developing this proposal. If members have any suggestions, they should reach out to Phillips.

ICC05 proposes addition of prescriptive requirements for installation of hip and ridge and/or starter shingles. Following discussion it was agreed that this proposal will be set aside and not pursued.

ICC04, which proposes addition of requirements for drip edge flashing fasteners, was discussed next. Members expressed support to propose all requirements for asphalt shingle fasteners for drip edge flashing fasteners.

## **Other Updates**

There were no other updates.

### **Action Item Review**

*Next Meeting: 12 September 2023, Time TBD*

ACTION: Phillips to update proposal ICC19 based on conversations with stakeholders and member input.

ACTION: Members to reach out to Phillips with any suggestions for additions/language for proposal ICC15.

### **Adjournment**

**Meeting adjourned by consensus at 3:29PM EDT.**

DRAFT