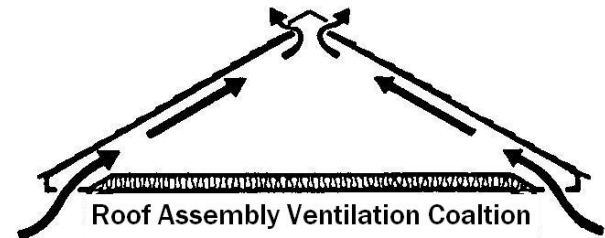


Roof Assembly Ventilation Coalition



Jim Baker

Director of Industry Affairs

Mission/Goal Statement

To study, monitor, and promote the interests of steep slope roof assembly ventilation through sound theory backed by scientific data.

Objectives

- Identify and develop a repository of data regarding roof assembly ventilation as it relates to construction practices, energy efficiency, structural, economics, roofing and system durability, ice damming, health issues, and moisture and/or temperature control.
- Review of repository and potentially pursue research where data is lacking to support steep slope roof assembly ventilation.
- Monitor developments and champion steep slope roof assembly ventilation with regard to technology and acceptance of such technology.
- Educate specifiers, builders, architects, engineers, building code officials, municipalities, the public and other parties as to the benefits of proper roof assembly ventilation.
- Advocate on behalf of roof assembly ventilation stakeholders when steep slope roof assembly ventilation is questioned.

Participation Agreement Signed with Money

Members	Fees	
ARMA	\$9,000	
Air Vent	\$2,500	
Benjamin Obdyke	\$2,500	
Canplas/Duraflow	\$2,500	
Diversi-plast	\$2,500	
GAF/ELK	\$2,500	
Hunter Panels, LLC	\$2,500	
Lomanco	\$2,500	
Metal-Era	\$2,500	
	\$29,000	

Completed Projects

- Launched website: www.ravcoalition.com
- Coalition White Paper and Consumer White Paper
- Press Releases
 - Formation, Election of officers, White Paper, Launch of Website

Library Task Force

- 35 of 100 article on bibliography have been reviewed by membership
 - April 15, 2009 Deadline
 - Next Call May 6, 2009, 3:00PM EDT

Public Relations Task Force

- Primary 1st Year Focus
- Divided Task Force to Communication and Education
- Continuing Website Development
 - Targeted Areas
 - Members Only Section
- Approved RAV 2010 IRE Abstract presentation to be previewed at ARMA Summer Steep-slope Meeting
- Editorial Calendar

Coalition Web-page

www.ravcoalition.com

- Member's Only including Section for Library, Minutes, and other key member documents
- Membership List w/ links to all the participants web-sites
- Copy of White Paper, Consumer White Paper & ARMA Tech Bulletins
- Section in development for Property Owners, Architects/Engineers/Specifiers and Contactors
- Frequently Ask Questions in Development
- News and Events

IRE 2010 Abstract Approved

Roof Ventilation – What You Need to Know to Help Your Customers Make the Right Choices and How You Can Avoid Design and Installation Errors

This presentation will explain why roof ventilation is a natural “green” choice for the steep slope property owner and is a low cost method of maximizing energy efficiency. Roofing contractors should be able to educate property owners on the importance of ventilation for the performance of their roofing system and what purposes roof ventilation serves. From being an integral part of moisture control in the attic space and roof system to ice dam protection and reducing heat build-up, the use of natural convection through proper roof ventilation can be an important part of any steep slope roofing system. This presentation will take the attendee through the basics of roof ventilation and the associated calculations that should be understood by the roofing contractor and then through a “not-to-be-missed” review of the top installation errors that can easily be avoided through education of their field personnel.

IRE 2010 Abstract Approved

- **April 22, 2009—coalition members will submit any materials they would like to have the option of including that supports the abstract.**
- **Presentation should be completed no later than July 15, 2009 for review of the entire coalition.**
- **IRE Presentation Sub-group: Charlie Lake (GAF/ELK), Jim Baker (ARMA Staff), Donnie/Chris (Air-vent), Ted Belden (Lomanco), and Eric Godfrey (Metal-Era).**

Editorial Calendar

- **Consumer White Paper Press Release**
- **FAQ in development**
- **Florida Forum Article: June 2009**
 - **Green Attributes of Ventilation**
 - **Gary Urbanski, Coalition Chair will author**
- **Professional Roofing Article**
 - **Developed from 2010 IRE Presentation**

Codes Monitoring Task Force

- **Submission for 2012 Codes Cycle**
- **Key Areas to Address**
 - R806.1 Required Ventilation
 - R806.2 Minimum Area
 - R806.3 Vent and Insulation Clearance
- **Coordination effort with ARMA CSG**

Codes Monitoring Task Force

- **Must have balanced approach**
 - Maximum of 50% at the top.
 - More Intake is required
 - 50% to 60% at the Intake
 - One single method.
- **Exhaust Vents should be placed at**
 - At the ridge or
 - 3 feet below the ridge (vertical plane)
 - Exception for situation where framing precludes the installation of the product

Codes Monitoring Task Force

- **Types of roof vents**
 - Ridge (reviewed by ICCES)
 - Turbines
 - Gable
 - Roof Louvers
 - Powered Vents
 - Solar Vents
- **Issues:**
 - Homes with no over hangs or eaves.
 - ? Vapor Barrier language—for non-condition attics be deleted—Fischer to review history
 - Peel and stick over the entire roof—1/150 ventilation requirement
- **Floor area should be used. Rate of 1/300.**

Research Task Force

- Dave Roodvoets, DLR Consulting, presented the ASHRAE RTAR on Attic Ventilation
- ARMA previously approved \$15,000
- Coalition reviewing RTAR and potential funding

Research Task Force

- Research sub-group formed to investigate research dollars from the American Re-investment and Recovery Act
 - RESEARCH TASK FORCE DEVELOPMENT: MacGregor Pierce, Eileen Dutton (Chair), OC, Dave Roodvoets, and Jim Baker.
 - ACTION: Staff to determine conference call date for research task force. R-TAR comments due to staff by April 1, 2009.

Future Key Discussion Points

- Contractor disconnect about the true understanding of ventilation of the roofing system.
- Transcending the multiple trade groups affecting ventilation: siding, roofing, insulation, etc.
- What defines effective ventilation? Is the 1/300 rate effective?
- What defines a failure in ventilation or non-ventilated attics? Cost to replace/re-pair? Higher energy costs?



Thank You

Any Questions