



Technical Committee Update

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SPFA Technical Director



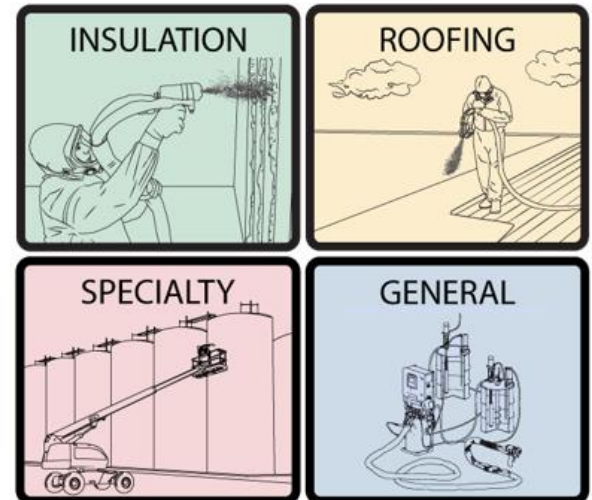
ANTITRUST POLICY STATEMENT FOR SPRAY POLYURETHANE FOAM ALLIANCE MEETINGS

- It is and shall remain the policy of the Spray Polyurethane Foam Alliance (“SPFA”), and it is the continuing responsibility of every SPFA member company, SPFA meeting or event participant, as well as SPFA staff and leadership to comply in all respects with federal and state antitrust laws. No activity or discussion at any SPFA meeting or other function may be engaged in for the purpose of bringing about any understanding or agreement among members to (1) raise, lower or stabilize prices; (2) regulate production; (3) allocate markets; (4) encourage boycotts; (5) foster unfair or deceptive trade practices; (6) assist in monopolization; or (7) in any way violate or give the appearance of violating federal or state antitrust laws.
- Any concerns or questions regarding the meaning or applicability of this policy, as well as any concerns regarding activities or discussions at SPFA meetings should be promptly brought to the attention of SPFA’s Executive Director and/or its legal counsel.



Overview

- **Building Envelope Committee**
- **Roofing Committee**
- **Safety Committee**
- **Technical Oversight Committee**





Building Envelope Committee

- **Chair: Mark Fortney,
Gaco-Western**
- **Three 2015 meetings**
 - April 2-hour teleconference
 - August 4-hour in-person
 - December 2-hour teleconference



Building Envelope Committee

- **TechTips**

- Published *“Polyurethane Foam vs. Urea Formaldehyde Foam: There’s a Big Difference”*
- Published *“UVA and Combustion Appliances”*
- Working on *“Measuring SPF Yield”*(Spring 2016)



Building Envelope Committee

- **TechDocs**

- Published SPFA-149 “*Architectural Specification for High-Pressure Spray Polyurethane Foam Insulation*”
- Updating SPFA-140 “Spray Polyurethane Foam for Exterior Below-Grade Moisture Protection”
 - Update SPFA-140
 - Create two new TechDocs for Interior Below-Grade and Below-Slab applications



Building Envelope Committee

- **ASTM Activities**

- *ASTM provides testing and material standards to help assure quality materials and installation*
- *SPF interests represented at Fall and Spring meetings*
- *Key areas of interest*
 - *ASTM C1029: ccSPF Materials Specification*
 - *WK30150: LD/ocSPF Materials Specification*
 - *WK41440: SPF Insulation Installation Practice*
 - *Specifications and test methods used by SPF and competitive products*





Building Envelope Committee

- **NEMA-SPFA Research**

- National Electrical Manufacturers Association (NEMA)
- 2013
 - Completed joint research project with NEMA to investigate recessed lighting with direct SPF contact
 - NEMA Lighting Systems whitepaper updated LSD-57: *"Polyurethane Foam Application: Lighting Equipment"*
- 2015:
 - NEMA Standards Publication LE 7-2015 *"Recessed Luminaires Intended for Contact with Expanding Polyurethane Foam Insulation"*





Building Envelope Committee

- **Michigan Masonry Institute**

- Concerns raised by forensics engineering studies
- Seeking SPF Industry details on SPF transitions
- BEC task group formed to resolve their questions

- **Florida Building Commission**

- Completed Phase I project with UF to investigate drying potential of SPF roof assemblies
- Starting Phase II project with UF and ORNL to perform field studies of moisture in UVA
- SPFA providing technical guidance



Building Envelope Committee

- **Metal Building Industry Concerns**

- *Partnered with MBMA and MCA*



- *Address their concerns with:*



- Exothermic temperature damage to coatings
 - Discoloration of roof panels over time
 - Distortion (oil-canning) of panels
 - Moisture condensation and corrosion
 - Adhesion of SPF
 - Fire protection
 - Thermal movement of standing seam roof systems
 - Entrapment of water leaks



Building Envelope Committee

- Metal Building Industry Concerns
- 2015 Testing Program → Breakout Session 1.9
Wed, Feb 10 @10:15
 - Phase I Lab Testing
 - exothermic temperatures
 - Phase II Field Testing
 - full-scale panel deflections
- MCA Technical Bulletin: “*Spray Polyurethane Foam Insulation on the Interior Surfaces of Metal Panels*”



Roofing Committee

- **Chair: Bruce Schenke,
Premium Spray Products**
- **Three 2015 meetings:**
 - February 6-hour in-person (IRE)
 - June 2-hour teleconference
 - November 2-hour teleconference



Roofing Committee

- **TechDoc Updates**
 - **SPFA-102** “*A Guide for Selection of Elastomeric Protective Coatings over Exterior Spray Polyurethane Foam Applications*”
 - **SPFA-127** “*Spray Polyurethane Foam Roof Systems Maintenance Manual*”
 - **SPFA-110** “*Spray Polyurethane Foam Aggregate Systems for New and Remedial Roofing*”
 - **SPFA-137** “*SPF Equipment Guidelines*” (work in progress)



Roofing Committee

- **New TechDocs**

- Developing SPFA-(150) “Photo-Voltaic Systems and SPF Roof Systems”
- Conversion to Marketing Literature
 - SPFA-124 “P-Rating Brochure”
 - SPFA-130 “What is Sustainable Roofing”
 - removed from TechDoc library until these documents can be updated by marketing experts with RC support.



Roofing Committee

- **RICOWI**

- No field studies in 2015
- Developing RICOWI Best Practices Guide
- Jason Hoerter is new SPFA liaison

Breakout Session 1.5
Wed, Feb 10 @10:15

- **NRC Canada Roof Rating**

- SPFA will monitor this project
- Rating energy performance of roofing systems

- **ORNL Roof Calculator Update**

- SPFA will support this project (<\$5k)
- New ability to model cool-roof coatings



Safety Committee

- **Chair: Joe Bolduc,
TopBuild**
- **Two 2015 meetings:**
 - February 2-hour teleconference
 - June 2-hour teleconference
 - November 2-hour teleconference



Safety Committee

- **SPFA Foam-It-Right Safety Webinar Series**
 - Members-only benefit
 - Bi-monthly 1-hour safety webinars starting March 2015
 - Meets OSHA training and PCP CEU requirements
 - Expert speakers on variety of industry-specific topics
 - Webinars are recorded and available on members-only section of SPFA website



Safety Committee

- SPFA Foam-It-Right Safety Webinar Series**

Safety Webinar Topic	Presenter	Affiliation	Mo.	Reg
Residential Fall Protection	Joe Bolduc, CSP	TruTeam	Mar	51
Respiratory Protection Programs	Cynthia Graham	Huntsman	May	42
SDS and Global Hazard System (GHS)	Wilder Allen	Consultant	Jul	42
Personal Protective Clothing	Scott Ecoff	Covestro	Sep	49
Containment and Mechanical Ventilation	Jim Anderson	Consultant	Nov	75
Lock-out/Tag-out	Wilder Allen, CSP	TruTeam	Jan	
Supplier Air Systems for Respirators	TBD	TBD	Mar	



Safety Committee

- **Construction Confined Spaces**
 - New requirements announced by OSHA in May 2015
 - Permit required confined spaces possible for attics and crawlspaces
 - Working with OSHA and supplier members to completely understand atmospheric and general jobsite hazards
 - SPFA, SFC, ICAA, BPI and Efficiency First working together to provide compliance and training resources for our members (Q1 2016)

Breakout Session 2.5
Wed, Feb 10 @11:15



Technical Oversight Committee

- **Chair: Roger Morrison,
Deer Ridge Consulting**
- **No regular meeting
schedule**
 - This committee reviews all technical documents created by BEC, RC and SC as needed



Technical Oversight Committee

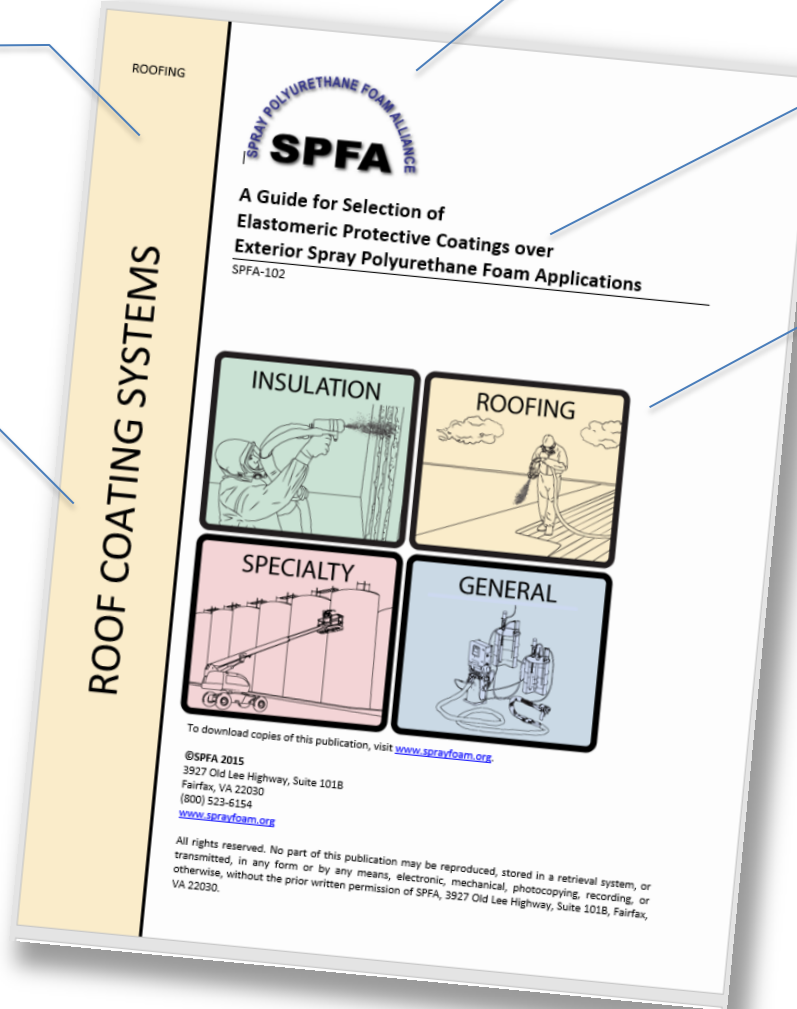
- Reviewed all new 2015 documents
- **TechDoc Upgrade**
 - All new and existing “AY” documents (28 total)
 - Complete reformatting and cover pages for consistent look
 - Professionally proof-reading for grammar, spelling, usage and typographical errors
 - Editable MS-Word documents
 - Version tracking



Technical Oversight Committee

Banderol
Color-Coded
to Category

Quick-
Reference
Title



Prominent SPFA Logo

Formal Title

Professional
Line Graphics
(four categories)



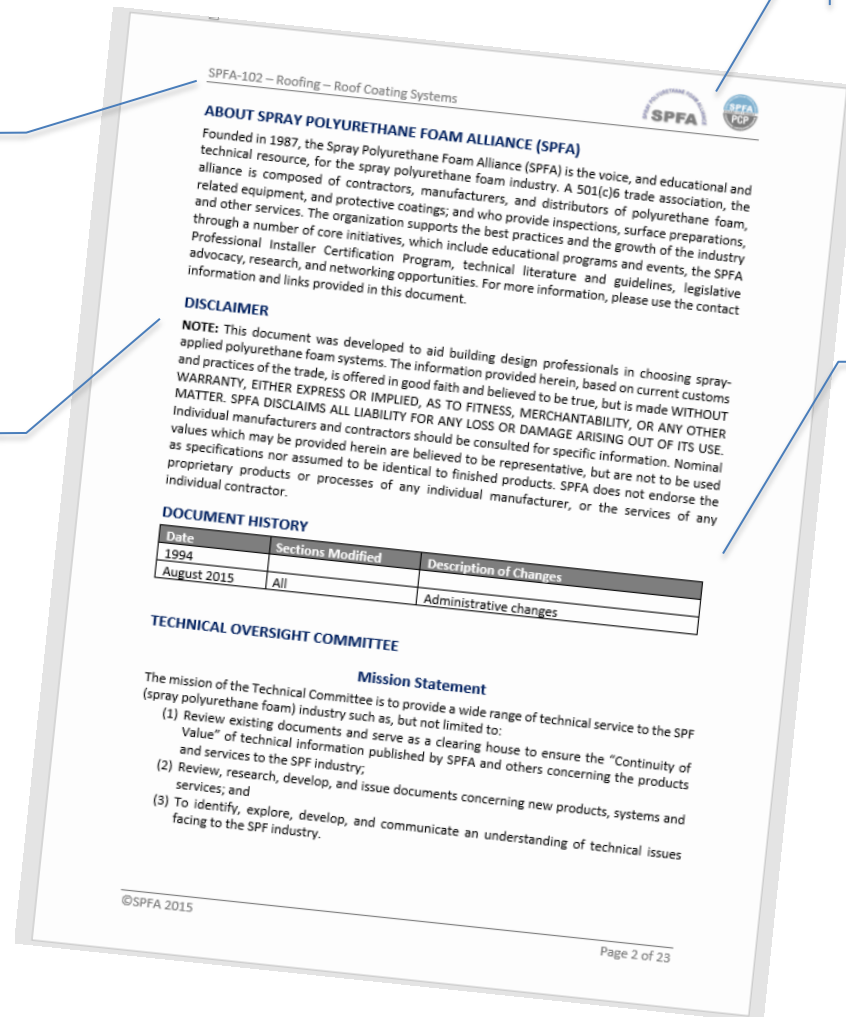
Technical Oversight Committee

SPFA and PCP
Logos

Quick-
Reference
Title

Color
Headings

Version
Tracking





SPFA Articles

2015 SPFA Byline Articles by Rick Duncan

- “Benefits of SPF in Insulation Applications”– **Construction Specifier** (*two-part article: January 9 & January 23, 2015*)
- “Barrier Requirements for SPF” by Rick Duncan, PhD, PE – **Walls & Ceilings** (*May 1, 2015*)
- “Spray Polyurethane Foam Answers Call for ZNE”– **Merchant Magazine & Building Products Digest** (*August 2015*)
- “How Spray Polyurethane Foam Insulation Can Help Achieve Zero Net Energy” by Rick Duncan, PhD, PE – **Buildings Magazine** (*September 24, 2015*)
- “A Key Player: SPF and the Net-Zero Energy Movement”– **Professional Roofing** (*Cover Story: November 2015*)
- “Achieving the Highest Performing Walls & Attics”– **Architectural Roofing & Waterproofing/Walls & Ceilings Architect** (*December 16, 2015*)