

Experience, Qualifications and Background

Mason Knowles is the President of Mason Knowles Consulting LLC. He has more than 46 years experience in the spray polyurethane foam industry as a contractor, material supplier/manufacturer, equipment manufacturer and trade association professional

He is former Executive Director of the Spray Polyurethane Foam Alliance, former Chairman of ASTM Subcommittee on Spray Polyurethane Foam Roofing (ASTM D08.06), former Chairman of ASTM Task Group for the spray polyurethane foam standard specification (ASTM C-1029), Chairman of ASTM Task Group for the spray polyurethane foam standard specification for insulation outdoor service vessels (ASTM C-945), Chairman SPFA Consultant's Committee, Member National Institute of Building Science's Building Envelope Thermal and Energy Committee, Member RICOWI Hurricane Investigation Team (Hurricanes Katrina and Ike) and Hail Investigation Team, former Technical Director for the American Plastics Council specializing in building and construction.

He has extensive experience in coordinating SPF research, developing specifications, guidelines & standards, addressing building code and regulatory activity relating to SPF applications. He authored the drafts of many of SPFA's technical guidelines and documents including: AY 110, Guidelines for Cold Storage Facilities, AY 139, Recommendations for the Repair of Spray Polyurethane Foam Roof Systems Due to Hail and Wind Driven Damage.

Knowles was responsible for sales distribution, market development, field quality assurance, warranties, distributorships, product development, contractor education/training for sprayfoam suppliers and equipment manufacturers. He has inspected hundreds of SPF roofing and building envelope applications. He has personally trained more than a thousand individuals in the application of SPF in the field and in the classroom.

He is a SPFA Certified Field Examiner and a SPFA Accredited Inspector for building envelope and roofing applications by the Spray Polyurethane Foam Alliance (SPFA) and is an authorized instructor of SPFA certification exam preparatory courses including: SPF Assistant, SPF Installer, SPF Master Installer, SPF Project Manager, SPF Field Examiner.

Professional Experience:

2007 - Present: President, Mason Knowles Consulting LLC
2002 - 2007 Executive Director Spray Polyurethane Foam Alliance
2000 - 2001 Technical Director, American Plastics Council. Staff of Building and Construction Work Group
1999 - 2002 Technical Director, Spray Polyurethane Foam Alliance
1997 - 1999 Director of Sales, Gusmer Corporation (polyurethane foam equipment manufacturer)
1995 - 1997 Assistant Director, Spray Polyurethane Foam Division of the Society of Plastics Industry
1993 - 1995 General Manager, Urethane Contractors Supply and Consulting Company, (SPF Manufacturer)
1991 - 1993 General Manager, Impro Inc. (SPF contractor)
1983 - 1991 National Technical Manager and Regional Sales Manager, E R Carpenter Company
1976 - 1983 Owner, Valley Insulation (SPF contractor)

Registrations & Licenses

SPFA Certified Field Examiner

SPFA Accredited Inspector for building envelope and roofing applications

SPFA Accredited Instructor of SPFA certification exam preparatory courses including:

- SPF Assistant
- SPF Installer
- SPF Master Installer
- SPF Project Manager
- SPF Field Examiner

Professional Associations

- Spray Polyurethane Foam Alliance (SPFA), former Board member, Chair Consultant's Committee, member Building Envelope Committee, member Certification Training Committee
- ASTM D08.06.22.06 Subcommittee on Spray Polyurethane Foam Roofing
- ASTM C.16.22 Task Group on C1029, Spray Polyurethane Foam
- Member International Code Congress
- Member, National Institute of Standards and Technology, Building Envelope Committee
- Former Board Member Federal Roofing Committee
- Former Board Member: Roofing Industries Committee on Weather Issues (RICOWI)

Publications (partial list)

- Spray Polyurethane Foam Roofing: Plant Services Magazine, September 2008
- Ask Mason Knowles forum, Sprayfoam.com (web based magazine and information site)
- Inspecting Insulation Applications, Construction Specifier, April 2012
- The Use of ccSPF in High Performance Wall Assemblies, Roof Consultant's Institute (RCI) Interface, July 2011
- Calculating Foam Yield, Sprayfoam Magazine (online at Sprayfoam.com), 2012
- Use of SPF in Commercial Buildings, Blog on Honeywell Corporation website, 2008
- The Use of Closed-Cell Spray Polyurethane Foam to Enhance the Structural Properties of Wall and Roof Assemblies, RCI Interface, September, 2010
- The Case for SPF, Design and Durability Magazine, February 2015
- SPF and Hail, Construction Specifier, September 2015

Presentations

- Inspecting SPF Building Envelope Applications, annual Sprayfoam Conference, February, 2013
- Maximizing the Efficiency and Quality of Your SPF Application, Insulation Contractors of America (ICAA) trade show and conference, Oct 2012
- Job Site Safety Related to SPF Applications, ICAA Webinar, Dec. 2012
- ccSPF In Metal Buildings, Polyurethanes Conference, Oct 2011
- Contractor's Perspective on SPF Mis-application, AIHce 2015 conference, June 2015