

## **Experience, Qualifications and Background**

Mason Knowles is the President of Mason Knowles Consulting LLC. He has more than 40 years experience in the spray polyurethane industry as a contractor, material supplier/manufacturer, equipment manufacturer and trade association professional.

He is former Executive Director of the Spray Polyurethane Foam Alliance (SPFA), Chairman of ASTM Subcommittee on Spray Polyurethane Foam Roofing (ASTM D08.06), Chairman of ASTM Task Group for the spray polyurethane foam standard specification (ASTM C-1029), Accredited Instructor of SPFA's courses on SPF Roofing, Building Envelope and Inspecting SPF Roofing and Building Envelope Systems, Member National Institute of Building Science's Building Envelope Thermal and Energy Committee, Member of Roofing Industries Committee on Weather Issues (RICOWI), Member RICOWI Hurricane Investigation Team, Hurricane Katrina and Hurricane Ike, Member RICOWI Hail Investigation Team, former Board Member of the Federal Roofing Committee, former Technical Director for the American Plastics Council specializing in building and construction.

He has extensive experience in coordinating research, developing specifications, guidelines, & standards, and addressing 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 Repair of Spray Polyurethane Roofs 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 millions of sq ft of SPF roofing & building envelope applications. He has personally trained hundreds of individuals in the application of SPF in the field and provided educational SPFA accreditation courses to hundreds more.

### **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
- 1992 - 1995 General Manager, Urethane Contractors Supply and Consulting Company 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**

- Spray Polyurethane Foam Independent Inspector, Roofing and Building Envelope  
Spray Polyurethane Foam Alliance, Fairfax, VA
- Spray Polyurethane Foam Course Instructor
  - 101 Fundamentals of SPF
  - 101 R Fundamentals of SPF Roofing
  - 101 BE Fundamentals of SPF Building Envelope
  - 101 I Fundamentals of SPF for the Independent Inspector
  - 201 Project ManagementSpray Polyurethane Foam Alliance, Fairfax, VA
- SPF Course Provider Facility Inspector and Instructor Evaluations  
Spray Polyurethane Foam Alliance, Fairfax, VA

## **Professional Associations**

- Spray Polyurethane Foam Alliance, Executive Director, 2002-2007; Technical Director 1995-2002, Chair Technical Committee 1993-1995. Member, Technical, Building Envelope, & Accreditation Committee 2007-present
- National Institute of Standards Building Enclosure and Environment Council, Member
- International Code Council (ICC) Member 1997-present

## **Presentations (partial list of recent presentations)**

- "SPF Quality Control" 2010 Sprayfoam Conference, Orlando, FL
- "Inspection of SPF Applications in the Building Envelope" Fingerlakes Building Code Officials Annual Conference, 2011
- "Product Liability of Sprayfoam Applications": Sprayfoam Distributors of New England Annual Conference, 2011
- "High Performance Wall Assemblies Using SPF" UTECH/Polyurethanes Conference 2010, Houston, TX
- "ccSPF in Metal Buildings" Polyurethanes Conference, Washington, DC
- "ICC Codes Update" 2009 Sprayfoam Conference, San Diego, CA
- "Sustainable Characteristics of SPF" BOMA Webcast, 2009
- "Introduction to SPF" Insulation Contractors Association of America (ICAA) webcast 2009

## **Publications (partial list of recent articles and media involvement)**

- Troubleshooting SPF Applications, Journal of Light Construction, Sept 2010
- Designing SPF Roofing Systems, Construction Specifier, June, 2010
- Sprayfoam.com web based magazine; Forum, Ask Mason Knowles
- Featured Blog on Use of SPF in Commercial Buildings, Honeywell Corp website
- RSI Magazine Featured Columnist (Ask the Expert) 2007-2008
- Construction Specifier "Insulation and Waterproofing for Metal Buildings" 2009
- Construction Specifier Canada "The Future of Rigid Foam Insulation" 2009