



Line Card & AIA Opportunities

Commercial Roofing Systems

- **Firestone Building Products & GenFlex Roofing Systems (Single-Ply, BUR, and Architectural Standing Seam Metal)**
 - <https://www.firestonebpc.com/us-en>
 - **Resilient Roofing – Meeting the ASCE 7-16 Standard**
 - Provides an overview of ASCE 7 standards and geographic adoption. Examines the changes of ASCE 7-16 standards and how they have impacted wind speed design and installation practices. Also provides clarification for the differences between simply designing for wind speeds and uplift pressures, versus requesting a manufacturer increased wind speed warranty.
 - **Roofing Systems: View from the Top**
 - Explores common components of a roofing system, the advantages and disadvantages, and how the critical factors aid in the assessment of the most appropriate system to meet the needs of the client.
 - **EPDM Roofing Systems**
 - EPDM's synthetic rubber compound provides good weathering in climates worldwide and the lowest carbon footprint of all single-ply membranes.
 - **Thermoplastic Roofing Systems (TPO)**
 - Designed to offer resistance to ultraviolet light, ozone, and weathering, learn why TPO single-ply roofing systems are the fastest-growing commercial roofing product.
 - **Metal Roofing Systems**
 - Learn about the types and finishes of metal, the importance of proper attachment for metal flashings on low slope roofs and the systems available.
 - **Roofing Insulation and Cover Boards**
 - Selecting insulation and cover boards is the most important decision when designing a roofing system. This course explores the characteristics, advantages, and the installation methodologies that will optimize the building's energy efficiency.
 - **Additional offerings at:** <https://www.firestonebpc.com/us-en/resources/education-training>



- **Gaco (Roof and Deck Coatings, and Maintenance Repair Coatings and Spray Foam)**
 - <https://gaco.com/>
 - **Monolithic Roofing**
 - An introduction to the benefits of a monolithic roofing system. Will highlight advantages in comparison to traditional roofing systems. Review energy benefits associated with seamless monolithic roof systems
 - **Coatings – A Sustainable Choice**
 - An introduction into the different compositions of roof coatings. Will examine the benefits of roof coatings versus roof replacement. Discuss energy and environmental benefits.
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- **Georgia Pacific DensDeck (Gypsum Roof Boards)**
 - <https://www.buildgp.com/gypsum/exterior-roof/>
 - **Durability in Commercial Roofing**
 - Provides an overview of the types and performance characteristics of cover board materials used in commercial roofing assemblies, along with a discussion of the forces that threaten roof-system durability.
 - **Selecting Rigid Cover Boards in Commercial Roofing Systems**
 - The course discusses the evolution of roofing cover boards; explains how the forces of nature affect roof function and durability; summarizes the advantages related to the construction process and cost benefits when including a cover board; and states the roof system types, specialty systems, and attachment options that can be utilized specifically with glass mat gypsum cover boards.

Commercial Wall & Fenestration

- **Georgia Pacific DensElement (Integrated Water-Resistive Air Barrier Gypsum Sheathing)**
 - <https://www.buildgp.com/denselement/>
 - **The Evolution of Water-Resistive and Air Barriers in Commercial Building Envelope Constructions**
 - Understand the key functions required by building codes for water-resistive barriers, continuous air barriers, vapor retarders, and thermal barriers in a building envelope/enclosure.



- **Making Transitions: Keeping Air and Water Barriers Continuous**
 - In this course, we will focus on three transition areas: wall to foundation, openings, and roof to wall. Further, recognizing the innovations and risk mitigation needed in building envelope design, we will also look at the latest advances in all-in-one, integrated gypsum sheathing that include WRB and AB systems during manufacturing as alternatives to field-applied water- and air-barrier systems.
- **Additional offerings at:** <https://www.buildgp.com/continuing-education/>

- **Firestone Building Products (Metal Profile Panels and Cavity Wall Systems)**
 - <https://www.firestonebpco.com/us-en>
 - **Metal Wall Panels: Design to Delivery**
 - Successfully installing metal wall panel systems begins in the very start of the design stage. This course will walk through each step — from how a panel goes from a drawing to a reality. Learn how you can contribute to your team of designers, contractors, and manufacturers.
 - **What's in a Wall? Components in a Cavity Wall**
 - This course will identify the key concepts for proper design of the cavity wall that must be considered. Heat, air, and moisture — both vapor and liquid — have a definite impact on how a cavity wall system should be designed and constructed.

- **Gaco (Waterproofing)**
 - <https://gaco.com/>
 - **Waterproofing Solutions**
 - An introduction into Damp-proofing versus Waterproofing. Will review and discuss examples of damp-proofing and waterproofing products and applications. Review application standards and procedures.



Commercial Roofing Accessories

- **Westile (Pedestal Paver Systems)**
 - <https://www.westile.com/>
 - **Redefining Rooftops: Understanding Rooftop Deck Systems**
 - Rooftop decks create valuable living and recreational space for building owners, residents, and clients. Accommodating restaurants, hotels, healthcare facilities, and everything from residential to government buildings, rooftop deck systems offer the design flexibility to create versatile, unique outdoor spaces over any structural surface. This course explores the features, surface materials, and design options for rooftop deck systems and provides an overview of recommended planning and installation guidelines.

- **Safepro (Roof Hatches and Safety Rails)**
 - <https://www.safeprosafety.com/>
 - **Fall Protection Solutions and the new OSHA Rules**
 - An overview of the codes pertinent to permanent engineered fall protection systems, design considerations for common hazards and installation options

Manufacturer Representation (Summary)

- **Firestone Building Products** – <https://www.firestonebpc.com/us-en>
- **GenFlex Roofing Systems** - <https://www.genflex.com/>
- **Gaco** - <https://gaco.com/>
- **Georgia Pacific DensDeck** - <https://www.buildgp.com/gypsum/exterior-roof/>
- **Georgia Pacific DensElement WRB-AB Integrated Sheathing** – <https://www.buildgp.com/denselement/>
- **Westile Pavers (Pedestal Pavers)** - <https://www.westile.com/>
- **SafePro's Roof Hatches, Safety Rails, and Security** - <https://www.safeprosafety.com/>