

ON DEMAND EDUCATION FOR THE ROOFING INDUSTRY



Welcome to **GenFlex University**



Knowledge - Your Most Important Roofing Tool

www.genflex.com/university

Tools to help our customers succeed

For nearly 35 years, GenFlex has built a reputation as a trusted roofing industry partner to professional roofers, delivering products, training and services.

With GenFlex University, we now offer expertise on demand to meet the hectic schedule of the roofing professional.

Helping you understand

GenFlex University helps users understand the performance qualities, applications, and installation methods for roofing membranes, roofing insulations and accessories. The courses use interactive learning techniques with **audio, text, graphics, animation and videos** to present important information and concepts.

Receive continuing education credits

Each course complies with AIA and RCI requirements for continuing education credits.

How to sign up

Simply visit www.genflex.com/university. Review the courses available (also on the reverse side of this sheet) and register for the ones that interest you. These courses are offered at no cost.

Advantages

- ▼ Free access to AIA and RCI accredited courses that allow you to earn continuing education credits.
- ▼ 24 hour access to online courses so you can conveniently learn at your own pace.
- ▼ Additional, downloadable resources for easy reference.

COURSES OFFERED

EPDM Roofing System

Gaining a solid understanding of the advantages of EPDM roofing systems demonstrates why this membrane has the longest proven performance record of all single-ply membranes.

Learning Objectives

- Describe EPDM, its physical characteristics, and performance advantages, emphasizing its proven historical performance as a sustainable (green) roofing product.
- Explain the three system-attachment types (ballasted, mechanically attached, and fully adhered).
- Describe seaming steps and the use of innovative tape technologies.
- Evaluate key factors to consider for selecting black or white roofs, addressing codes and rating systems that support the use of both.

Thermoplastic Roofing System

Learn how Thermoplastic Polyolefin (TPO) membranes are designed to offer exceptional resistance to ultraviolet light, ozone, and weathering. Gain an understanding of why TPO single-ply roofing systems are the fastest-growing commercial roofing product, and have gained broad industry acceptance for their many performance and installation advantages such as heat-welded seams.

Learning Objectives

- Describe TPO, its physical characteristics, and performance advantages, emphasizing its proven historical performance as a green roofing product.

- Explain the three system-attachment types.
- Describe seaming steps and accessories.
- Evaluate key factors to consider for selecting between TPO and PVC roofing systems.




Roofing Insulation and Cover Boards

This course explores the characteristics, advantages, and cautions of the primary insulation and cover boards on the commercial roofing market today.

Learning Objectives

- Evaluate three roofing insulation product types by describing the characteristics, advantages, and cautions of each type, and identify any environmental efficiency each provides.
- Explain the evolution of cover boards, focusing on the characteristics of the cover board product types most commonly used today.
- Describe three methods for attaching roofing insulation and cover boards, and explain how they meet design and code requirements.
- Demonstrate the importance of proper slope for drainage, and how tapered insulation systems can economically meet design needs for new and existing roofs.
- Define R-values for insulation and cover boards, including the use of long-term thermal resistance (LTTR) values for foam insulation products.

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THE TOOLBOX ⊕	ASK THE EXPERTS ⊕	BUILD IT! ⊕	THE CHECKLIST ⊕
In this module you will have an opportunity to explore the key aspects of EPDM thermoset membranes.	Use this module to better understand some deeper concepts of EPDM Roofing Systems from industry experts.	Now put into practice what you've learned and try your hand at some projects.	Think you've got it? Check your knowledge of EPDM Roofing Systems against the essentials.



COURSE OBJECTIVES

Through the exploration of this scenario and others, you will explore the essentials of roofing insulation and cover boards. Click each learning objective below to learn more.

- Evaluating foam insulation
- Explaining cover boards
- Attaching insulation and cover boards
- Achieving proper slope
- Explaining R-values

BUILD IT!

In the following activities, you will have a chance to practice what you have learned with some real-world examples.

Desert Fox Resort, CA	Revisit the Desert Fox Resort project where you'll practice finding the right roofing system to meet the resort's needs.	
Riverside High School, OK	Learn about the Riverside High School auditorium, which needs a replacement for its old built-up roof. Find the right system for this project.	
Tri-City Care Center Hospital, GA	Learn about the Tri-City Care Center Hospital, which needs an energy-efficient roof with a vegetative system. Find the right system for this hospital.	