

Title: Future-Proof Fenestration: High Performance Fiberglass Windows & Doors

Presenter: Paul Kellner, Heritage Window & Door

Description:

This educational session provides a comprehensive technical update on current innovations in fiberglass window and door systems, with emphasis on meeting the evolving needs of thermal performance. Delivered by Paul Kellner, with over 30 years' experience in the industry, he explores how fiberglass assemblies support higher thermal performance standards, improved occupant well-being, and long-term durability.

Participants will examine exciting advances in glazing performance, including Thin Glass Quads (up to R-15) and Vacuum Insulated Glass (VIG up to R-21), and explain how these emerging technologies contribute to healthier, more comfortable interior environments—meeting the growing energy code demands with ease.

Learning Objectives:

- Weigh the pros/cons of various framing materials with a focus on fiberglass
- Recognize the trade-offs between U-values, solar heat gain coefficients, and visible light, particularly in a cold climate region
- Note modern day materials including Thin Glass Quads and Vacuum Insulated Glazing
- Note the appropriate uses of different Low E types depending on building orientation, and other factors
- Consider features for an aging population, such as extended locks and levers for windows and doors
- Weigh the benefits of casements and awnings vs. tilt n' turns in a North American marketplace