Proper Application of Storefronts, Window Walls and Curtain Walls		Is and Curtain Walls
Number: 0A301R1	Length: 1.0 Hour	LU & HSW: Yes

While storefronts, window walls and curtain walls are all fenestration systems, they do have distinctive differences that dictate where they should be installed on a building. Discover performance attributes of each system and learn basic assembly and installation procedures. Also, explore the latest design concepts to meet more stringent energy codes.

Ensuring Compliance with Today's Energy Codes and Green Standards		
Number: ENERGCOM R2	Length: 1.0 Hour	LU & HSW: Yes

The effort to improve the energy efficiency of buildings is primarily driven by energy codes and green standards. This course covers the latest in the ICC codes and ASHRAE standards. Through group discussion, the class will learn how to select vertical systems that meet these new requirements and whole building energy goals. It also reviews both frame and glazing performance and explains compliance methods for the commercial market such as AAMA 507 and NFRC Component Modeling Approach (CMA).

Structural Engineering with Components and Cladding		
Number: YKK S ENG R2	Length: 1.0 Hour	LU & HSW: Yes

This is an introduction to structural engineering for components and cladding. ASCE 7 is the recognized standard for determining "Minimum Design Loads for Buildings and Other Structures" in the United States. This course defines and explores the building block information, including mullion loading, required to determine design pressures. Past and current versions of ASCE 7 are compared and explained.

Nobody Wants to Hear That! Improving Acoustical Performance		
Number: YKK Acoustics	Length: 1.0 Hour	LU & HSW: Yes

Windows and doors are often the weak link when designing a building for protection from specific noise pollution. This course reviews the basics of sound transmission and the industry performance standards for measuring / testing sound transmission loss with components and cladding. The focus will then shift to specific design strategies to achieve the desired acoustical performance for a specific building.

Windows for Schools and Commercial Buildings		
Number: YKK WFSCB	Length: 1.0 Hour	LU & HSW: Yes

School buildings will hold up much better if the correct products are selected. Selecting the best windows for a new or remodeled school requires a careful balance of aesthetics with a wide range of performance characteristics. Matching structural integrity to the location is essential and incorporating state of the art thermal advancements optimizes comfort and cost.

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AIA/CES Certified Box Lunch Presentations

This brochure outlines all of the courses that are offered by YKK AP America that will count towards the AIA Continuing Education Series accreditation.

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Curtain Wall Design		
Number: YKK 100 CW R2	Length: 1.0 Hour	LU & HSW: Yes

Curtain Walls provide some of the most dramatic design details of a building. This course explains strengths and weaknesses of various types of curtain walls. Attendees will explore design pressure calculation, installation and glazing processes. A recent trend toward more fabrication and assemble in controlled environments will be analyzed. Latest energy codes will also be reviewed.

7th Edition 2020 Florida Building Code with Components and Cladding		
Number: YKK 2020 FBC	Length: 1.0 Hour	LU & HSW: Yes

Jobs permitted after 2020 must comply with the new code. The focus of this course is to understand requirements and changes affecting vertical wall components and cladding. Most of the content is from Chapter 4 and Chapter 16 along with the Florida Energy Conservation Code. This course will help avoid pitfalls and make a smooth transition.

Texas Coastal Codes for Glazed Openings		
Number: YKK 2018 TDI	Length: 1.0 Hour	LU & HSW: Yes

The Texas Department of Insurance (TDI) adopted the 2018 International Building Code with an effective date of September 1, 2020. Their authority is limited to the Designated Catastrophe Area as defined by the Texas legislature. The focus of this course is to understand requirements and changes affecting glazed openings. ASCE 7 - 2016 will also be reviewed.

Accessibility Standards for Fenestration		
Number: YKK 100 ACC R1	Length: 1.0 Hour	LU & HSW: Yes

The fundamental philosophy of the International Building Code now is that everything is required to be accessible; only exceptions will be called out. Yet it can be confusing to distinguish between code requirements and requirements of the Americans with Disabilities Act (ADA) and the Fair Housing Act (FHA). This course will reconcile the three sets of requirements – IBC, ADA and FHA, as related to commercial fenestration.

Organic Finish or Anodized? Making the Right Choice		
Number: YKK 100 FIN R1	Length: 1.0 Hour	LU & HSW: Yes

This course explains the types of Architectural Aluminum Finishes, it reviews the AAMA standards and evaluates the environmental impact pertaining to them. The course also differentiates their performance and explains their proper application and use.

Hurricane Impact Resistance - Components & Cladding		
Number: YKK 100 Impact	Length: 1.0 Hour	LU & HSW: Yes

Testing and performance standards for hurricane impact and cyclic pressure testing were established in the mid 1990's and have now been referenced in coastal building codes for over 20 years. This course will share examples of how buildings have fared under these performance standards and how to leverage this knowledge to make buildings safer.

Fenestration and Glazing Considerations for School Safety		
Number: School Safety R1	Length: 1.0 Hour	LU & HSW: Yes

This course explores design strategies for new schools to make the most effective use of glazing for daylighting, natural surveillance, safety and security by incorporating Crime Prevention Through Environmental Design (CPTED) guidelines. The importance of training faculty, students and staff will be stressed. Participants will learn how to select the optimal glazing for fenestrations locations throughout the school, and how to select locks and access controls from proven lockdown technologies.



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All of our courses are taught at the Intermediate Level

YKK AP America's Provider Number: **J512**