

# EnCORE® Thermal Framing System

A Proven Performer  
Recognized for  
Economical Installation



Manitowoc Public Library, Manitowoc, WI  
Architect: Engberg Anderson Design Partnership, Milwaukee, WI  
Glazing Contractor: Sheboygan Glass Company, Inc., Sheboygan, WI

Taking center stage in Kawneer's lineup, EnCORE® Thermal Framing System is a two-piece, face-and-gutter system that offers thermal economy, a Structural Silicone Glazing (SSG) option and numerous design choices. Engineered for easy installation and lower costs, features include the unique QuickSeal® self-sealing system, a broad selection of system depths and a 1-3/4" (44.5) minimal sightline. EnCORE® readily adapts to remodel projects and new construction, whether traditional or modern architecture.

## Economy

EnCORE's patented QuickSeal® dry-glazed framing system is the first to eliminate joint sealant at horizontal joints, making it more cost effective. The vertical gasket runs through, and when "pinched" by the head, sill and intermediate horizontals, a watertight seal is created, eliminating the need for sealant.

By using the same extrusions for horizontal and vertical mullions, metal utilization is maximized. In addition, the tongue on the extrusions eliminates the need for a secondary, continuous water deflector, thus economizing on installation costs and time.

EnCORE® also requires no setting block chair at intermediate horizontals. And at the sill, the system utilizes a simple setting block chair that fits snugly within the glazing pocket and requires no fastening. The system accepts standard 1" (25.4) or 1/4" (6.4) infills and can also be adapted to accept other infills in 1/8" (3.2) increments.

The top-loaded glazing gaskets are the same as those used in Trifab® 400, and Trifab® VG (VersaGlaze®) 450, 451 and 451T (Thermal) Framing Systems, which helps to reduce field labor and minimize inventory requirements.

Providing single-source responsibility, Kawneer Entrances, Windows, GLASSvent™, Curtain Walls and Slope Glazing are compatible with EnCORE®.

## Performance

EnCORE's specially engineered thermal clip eliminates metal-to-metal contact by snapping onto the mullion. The cover then snaps onto the clip for true thermal integrity. In addition, the clip has an extended leg on one side, which acts as a "w" block and prevents shifting of glass due to climate changes and building movement.

Engineered to meet or exceed certified performance requirements for air and water infiltration, EnCORE® has been fully tested according to ASTM E283 and ASTM E331. Thermal testing was completed in accordance with AAMA 1503.

EnCORE® also offers architects and building owners the ability to determine project-specific U-factors by referring to thermal tables in the architectural manual. Unique to Kawneer, these tables enable U-factor calculations for each project by utilizing the total glass percentage and the project's center of glass (COG) U-factor.

## Aesthetics

For additional freedom of expression, EnCORE® offers front or center glazing options. A Structural Silicone Glazing (SSG) option is also available. And to provide greater design flexibility, EnCORE's adjustable face-and-gutter system offers system depths of 3-9/16" (90.5), 4-1/2" (114.3) or 6" (152.4) front glazed and 4-1/2" (114.3) center glazed.

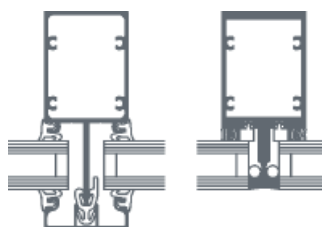
The 1-3/4" (44.5) minimal sightline provides consistent design aesthetics, while a 1-3/4" (44.5) perimeter sightline is also available.

Note: Numbers in parentheses ( ) are millimeters unless otherwise noted.



Customer Service Center, Blue Cross and Blue Shield of Louisiana, Baton Rouge, LA

Architect: Architectural Group of Baton Rouge, Baton Rouge, LA  
Glazing Contractor: Louisiana Glass Company, Baton Rouge, LA



Since the exterior face and interior mullions are separate pieces, two-color design considerations are easily realized. Another key feature of EnCORE's separate components is that they are easily adapted to curved applications. EnCORE® is available in three fabrication methods: screw spline, shear block or Type B, which is a combination of both.

## For the Finishing Touch

Permanodic® Anodized finishes are available in Class I and Class II in seven different color choices.

Painted finishes, including fluoropolymer, that meet or exceed AAMA 2605 are offered in many standard choices and an unlimited number of specially-designed colors.

Solvent-free powder coatings add the "green" element with high performance, durability and scratch resistance that meet the standards of AAMA 2604.

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