



*Nearly indestructible.
Barely visible.
Effortless Installation.
Everything you want a screen to be.*

All of our Energex Elite Double Hung and Horizontal Sliders come standard with a full Flex Screen!



An advanced material developed through an intensive manufacturing process and formulated to withstand the harsh effects of weather and ultraviolet light.

Sunshield® is an environmentally minded compound that exceeds all required material standards for strength and best-in-class performance.



Standard with Innergy® Rigid Thermal Reinforcements, the next generation of reinforcements designed to slide easily into window chambers for great support and thermal performance.

Innergy® Rigid Thermal Reinforcements are advanced fiber glass reinforced resin inserts with all the strength and structural reinforcement of aluminum, but with a whole new set of high-performance benefits.

About Us...

Thermo-Seal Vinyl Products has been building vinyl windows since 1997. We have always used only Top-grade Vinyl in all of our window frames and sashes for the longest lasting window available.

Our vinyl is provided by Deceuninck, a global leader in vinyl products for over 75 years. Their commitment to innovation and quality fits the very philosophy of Thermo-Seal.

Years of experience has given Thermo-Seal the expertise needed to build the highest quality windows on the market today. We are deeply committed to product excellence and customer service and satisfaction. Today you have many choices in style and quality, and we do our best to provide both. We are always looking for ways to improve our vinyl windows.

Our Energex Elite windows have optimum design, superior performance, and extreme weather resistance. You will also find that the Energex Elite Window Systems offer excellent color retention, and they are designed with quality and craftsmanship in mind while being engineered to exact standards.

Your Local Professional:



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The color GREEN used in INNERGY is a trademark of Deceuninck North America LLC.

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Part No. FEN-131-0218



ENERGEX ELITE WINDOW SYSTEM

BY:



**INNOVATION
WITHOUT COMPROMISE**

www.thermoseal.net

DOUBLE HUNG | HORIZONTAL SLIDER | PICTURE



A vision of excellence.

The Energex Elite window system represents a high-end and highly technical approach to window design.

These beautiful window systems incorporate unsurpassed innovation and engineering technology and can exceed performance requirements for impact resistance and standard ENERGY STAR requirements.

Select from a variety of highly durable, low-maintenance colors and optional finishes. Create your own unique window by including popular options such as ultra-performance insulated glass, triple pane or mini-blinds hermetically sealed inside the glass, and many more.

PERFORMS WITH STYLE

The Energex Elite window system is a high-performance window system, with enhanced structural and thermal performance for use in renovation and remodeling, and new construction applications.

- Rich, contemporary look
- Premium performance: up to DP55
- High-end glass options
- Latest integrated locking and latching hardware

CONFIGURATIONS

- Double Hung
- Horizontal Slider
- Picture Window

STANDARD COLORS



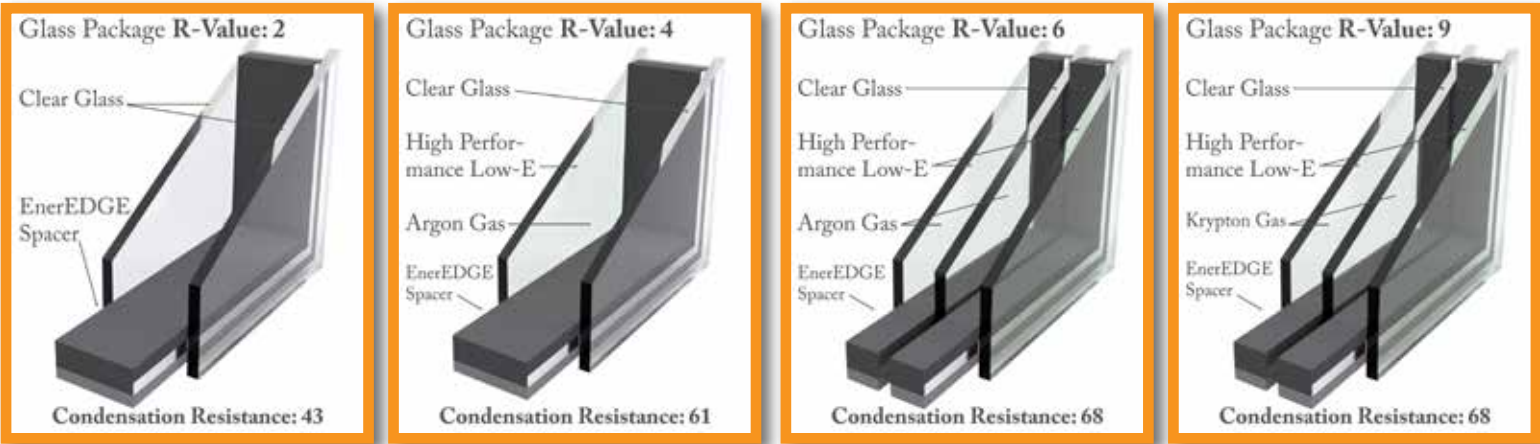
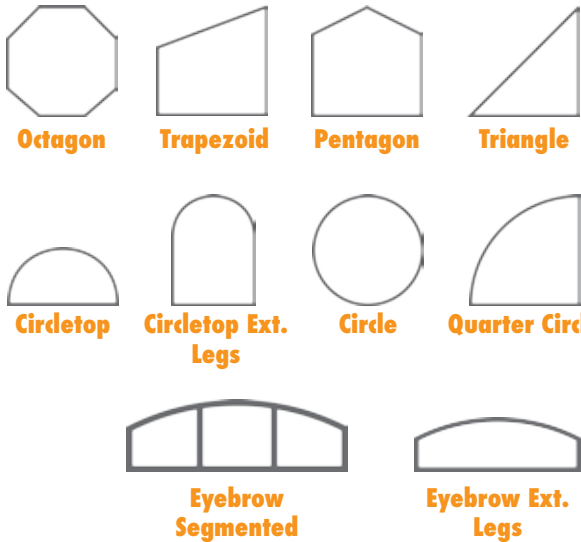
Options

- Triple Pane High Performance Low-E Argon Glass
- Triple Pane High Performance Low-E Krypton Glass
- Tempered Glass
- Half Screen
- BetterVue Screen Mesh
- UltraVue Screen Mesh
- Aluminum Screen Mesh
- Neopor® Insulated Frames and Sashes
- Factory Mulling
- Integrally Molded Nail Flange with J-channel
- Oriel or Cottage Style Sashes
- Obscure Glass
- Exterior Brickmould
- Painted exteriors in a wide array of colors (15 year warranty)

Ask for additional options that are not listed.

Special Shapes Available

(More styles available by request)



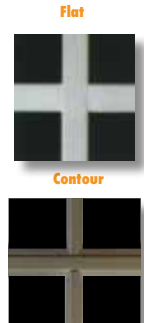
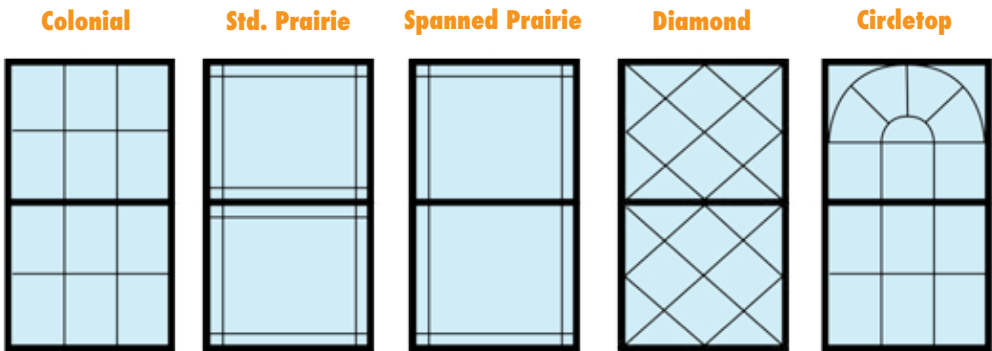
Double Pane
with Clear Glass
and no gas

Double Pane with
High Performance
Low-E and Argon
gas
(Standard Package)

Triple Pane with
2 coatings High
Performance Low-E
and Argon gas

Triple Pane with
2 coatings High
Performance Low-E
and Krypton gas

Grids



DOUBLE HUNG PERFORMANCE

(48 X 75 test unit)

- Structural: DP 55
- Thermal performance range: .48 to .18
- Air Infiltration: 0.05 cfm
- Designed to achieve excellent Sound Transmission Coefficient (STC)

DESIGN

- Low profile design to maximize viewing area
- 3 1/4" frame depth increases structural rigidity for a lifetime of performance
- Built in J-Channel to accept vinyl siding
- High-end glass options including tempered, internal grids, internal blinds, and triple glazing
- Rounded contours and soft corners improve the adhesion of lamination and painting
- Multi-chamber frame for improved energy efficiency
- Multiple weather seal locations

WARRANTY

- Lifetime warranty on vinyl.
- Lifetime warranty on glass against stress cracks and seal failure.
- Lifetime warranty on hardware.



Double Hung



- Low profile design to maximize viewing area
- Rounded contours and soft corners
- Multi-chamber frame for improved energy efficiency
- Fusion Welded frames and sashes



Triple weather-stripping at all sealing locations

.065" thick vinyl walls

Integrated lock/tilt mechanism provides hassle-free operation

Full Flex Screen is standard

INNERGY® Rigid Thermal Reinforcements standard on all sizes



Standard Glass Package: 7/8" OA
Double Strength Glass
High Performance Soft-Coat Low-E
Argon Gas Fill
EnerEDGE Warm Edge spacer system
(no metal to conduct cold)



See Flap inside back cover for more details

High-performance sill with exclusive sash/sill interlock

Available with integral nailing fin for new construction applications or without nailing fin for replacement applications.

1/2" Constant Force Coil balance system



Performance

The following performance ratings are based on a double hung window with a vinyl frame and sashes.

Glass	Overall IG Thickness	Air Infiltration	Total Product U-Factor	Total Product SHGC	Condensation Resistance
Double Pane Low-E Argon	7/8"	0.05 cfm	0.28	0.27	61
Double Pane Low-E Argon W/ Foam Fill Frames	7/8"	0.05 cfm	0.27	0.28	61
Triple Pane Low-E Argon	7/8"	0.05 cfm	0.24	0.23	67
Triple Pane Low-E Krypton	7/8"	0.05 cfm	0.19	0.23	69



Horizontal Slider



Available with integral nailing fin for new construction applications or without nailing fin for replacement applications.

Standard Glass Package: 7/8" OA
 Double Strength Glass
 High Performance Soft-Coat Low-E
 Argon Gas Fill
 EnerEDGE Warm Edge spacer system
 (no metal advantage)



INNERGY® Rigid Thermal Reinforcements standard on all sizes



Full Flex Screen is standard

Fusion Welded frames and sashes

Triple weather-stripping at all sealing locations

STANDARD COLORS



White



Clay



Dark Oak / White



Dark Oak / Clay



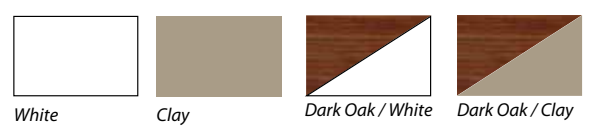


- Low profile design to maximize viewing area
- Rounded contours and soft corners
- Multi-chamber frame for improved energy efficiency
- Fusion Welded frame

Standard Glass Package: 7/8" OA
Double Strength Glass
High Performance Soft-Coat Low-E
Argon Gas Fill
EnerEDGE Warm Edge spacer system
(no metal advantage)

Available with integral nailing fin for new construction applications or without nailing fin for replacement applications.

STANDARD COLORS



Picture Window





EnerEDGE®
warm-edge spacer

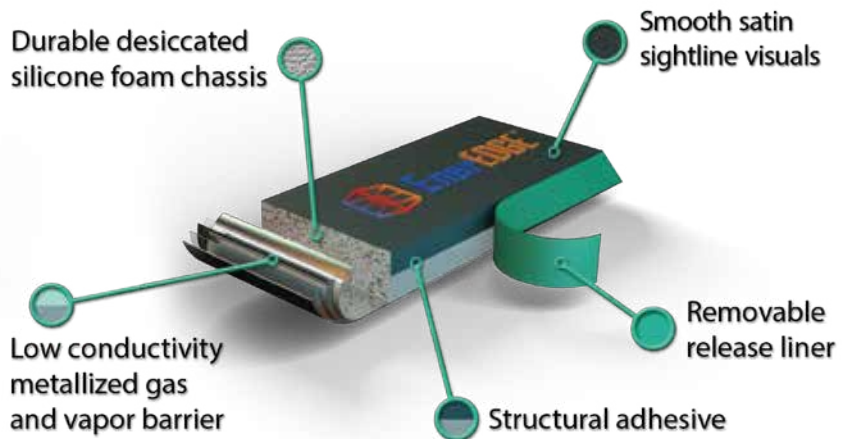
Your inside edge to
performance and savings.

THE ADVANTAGE OF WARM-EDGE TECHNOLOGY

In double or triple glazing, warm-edge technology is defined as the low conductivity spacer used to separate the panes of an insulating glass unit. Warm-edge spacer systems possess lower thermal conductivity values resulting in superior thermal performance when compared to the traditional, standard aluminum spacer bar.

WHAT IS EnerEDGE®?

EnerEDGE® is a pre-desiccated, ready-to-apply, cellular silicone warm-edge spacer that is suitable for a wide range of insulating glass constructions in fenestration applications. EnerEDGE spacer is inset and applied to a glass lite's perimeter to enable fabrication of dual and triple-glazed IG units in conjunction with a quality applied perimeter sealant.



EnerEDGE ADVANTAGES

PERFORMANCE PLUS PARTNERSHIP

EnerEDGE® for so many reasons...

- The all-foam formula of EnerEDGE blocks the heat escape path and provides on the best thermal performances in the industry.
- Condensation can lead to more than bacteria and molds. It can increase the likelihood of fungi, viruses, and mites that cause respiratory infections, allergies, and asthma.
- Improved sound absorption over traditional metal spacers; NO-Metal EnerEDGE is a huge help in keeping the decibels down.
- Our dual seal system helps EnerEDGE insulating glass units last up to nine times longer* in durability tests than single-seal units.
- Our all-foam formula offsets the effects of temperature changes, barometric pressure, wind load, and glazing pressure. The end result is less seal failure and fewer stress cracks.