

**Energex**

window systems

by:



# ENERGEX ELITE WINDOW SYSTEM

Innovation Without Compromise

[www.thermoseal.net](http://www.thermoseal.net)





# 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.

# Energex

window systems

## 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 DP65
- High-end glass options
- Latest integrated locking and latching hardware

## STANDARD WINDOW TYPES



DOUBLE HUNG PAGE 4-5



SLIDER PAGE 6-7



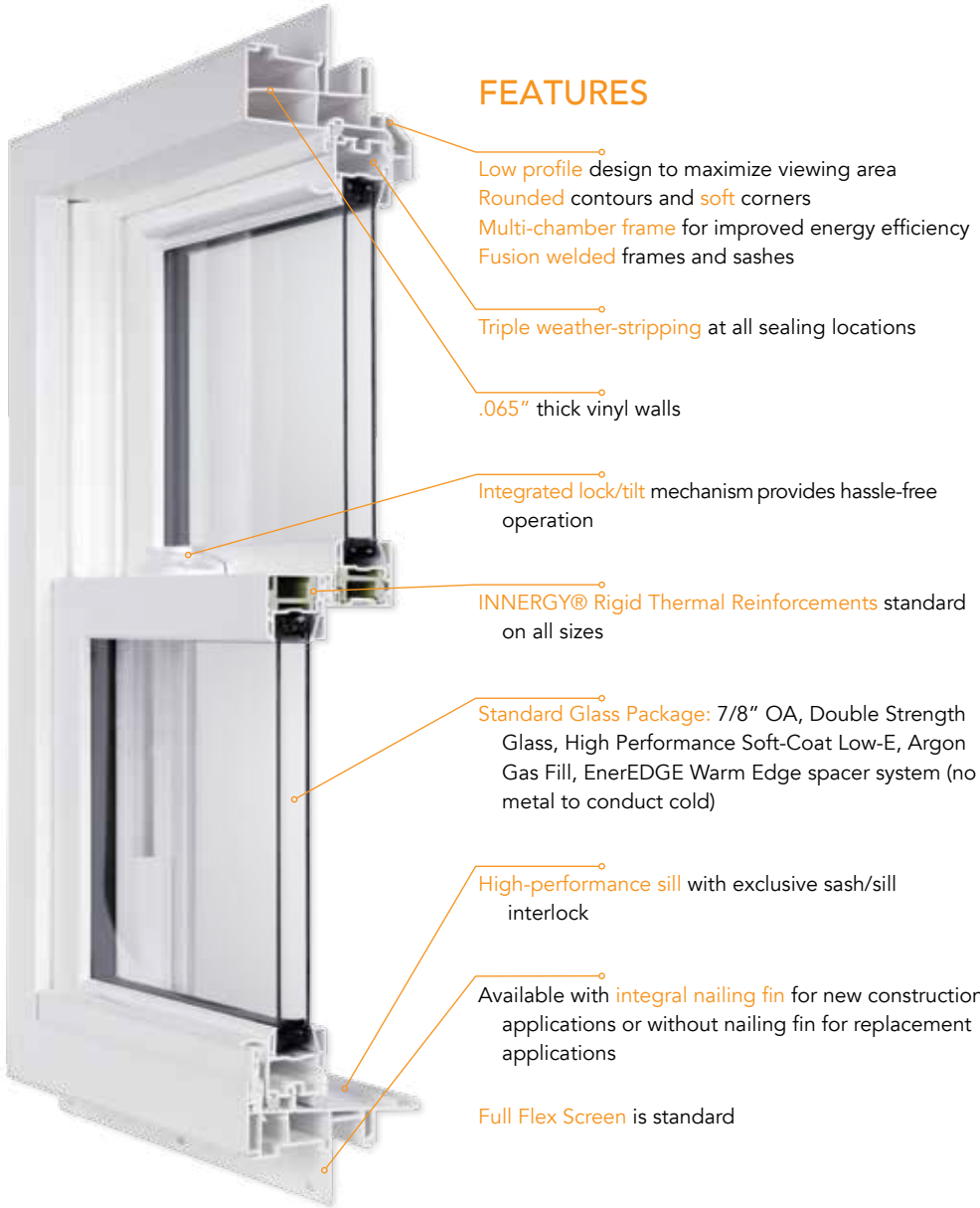
PICTURE PAGE 8-9



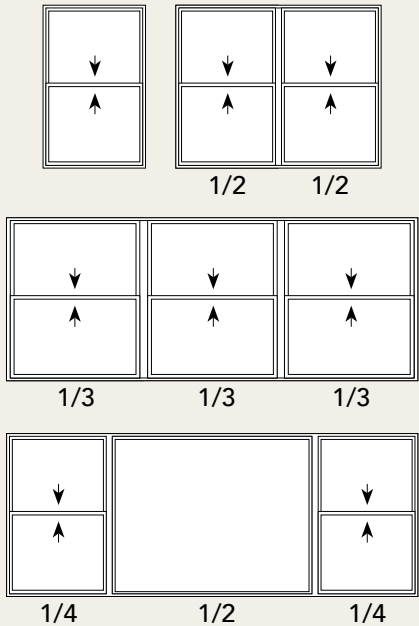
CASEMENT & AWNING PAGE 10-11



# DOUBLE HUNG WINDOWS



## WINDOW CONFIGURATIONS



## 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
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



# SLIDER WINDOWS



## FEATURES

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 to conduct cold)



**Triple weather-stripping** at all sealing locations

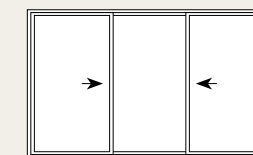
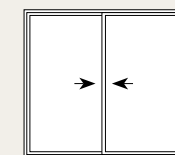
**INNERGY® Rigid Thermal Reinforcements** standard on all sizes

**Fusion welded** frames and sashes

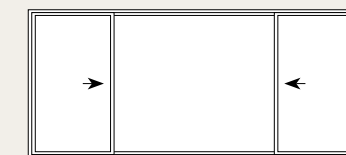
**Full Flex Screen** is standard



## WINDOW CONFIGURATIONS



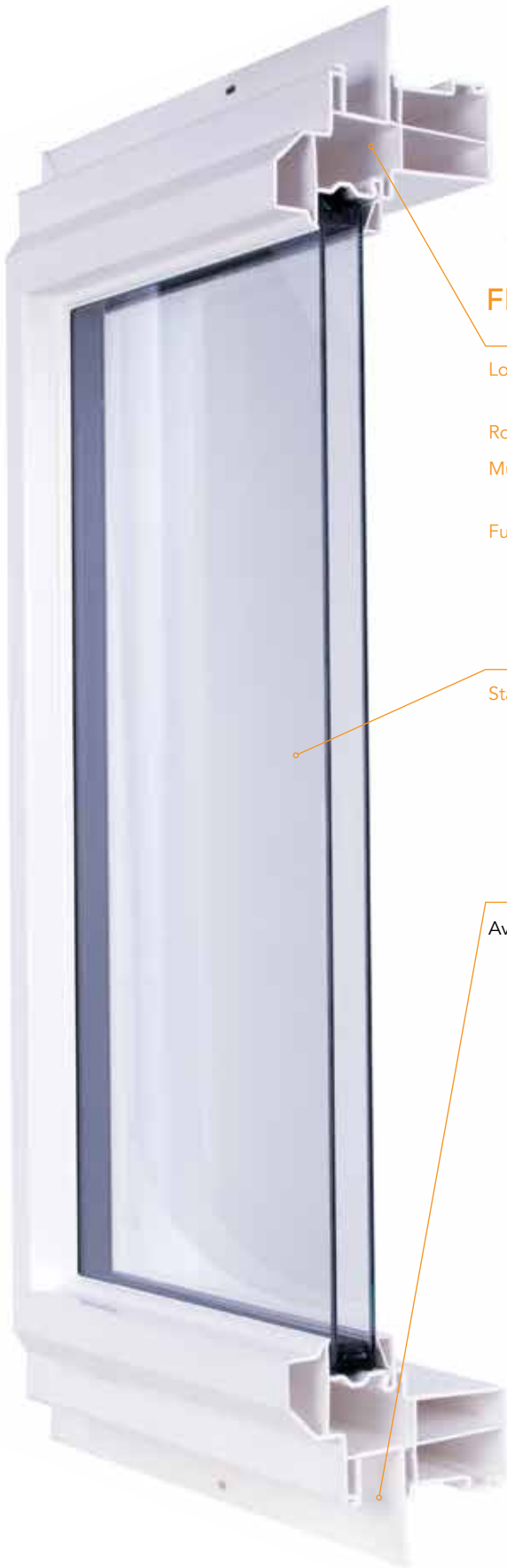
1/3 1/3 1/3



1/4 1/2 1/4



# PICTURE WINDOWS



## FEATURES

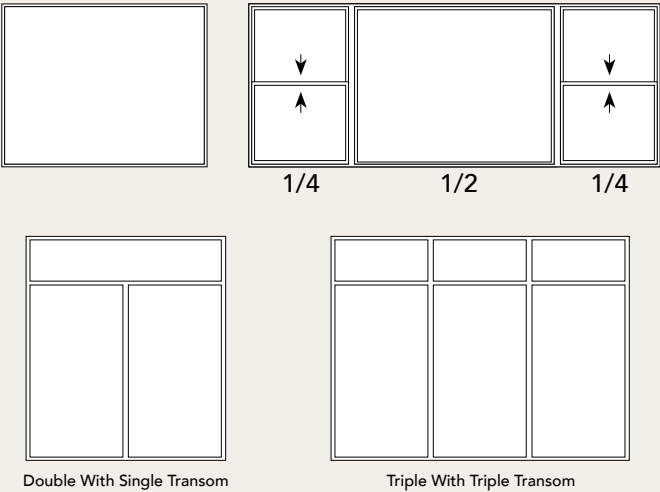
- Low profile design to maximize viewing area
- Rounded contours and soft corners
- Multi-chamber frame for improved energy efficiency
- Fusion welded frames and sashes

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)

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



## WINDOW CONFIGURATIONS

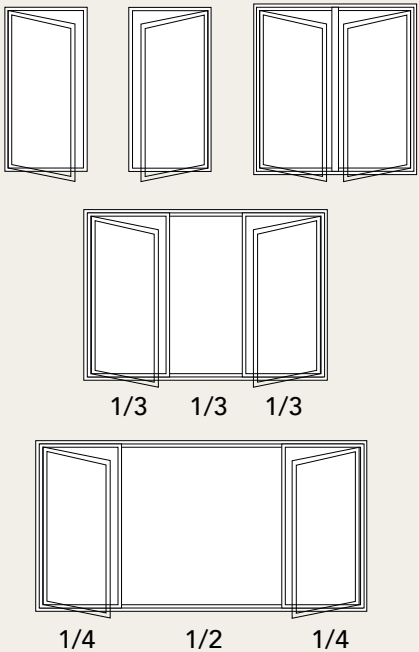




# CASEMENT WINDOWS



## WINDOW CONFIGURATIONS



## 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"	0.02cfm	0.27	0.25	60
Triple Pane Low-E Argon	7/8"	0.02 cfm	0.22	0.24	66

# AWNING WINDOWS



## FEATURES

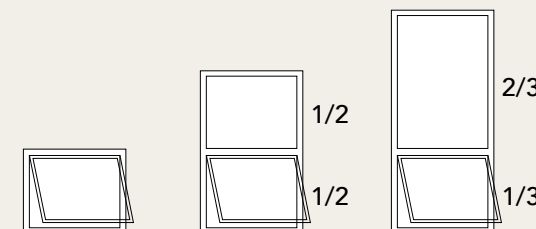
- 3 1/4" frame and full screen with aluminum frame and fiberglass mesh standard
- Water channels designed to direct wind-driven rain away from window
- Multi-chamber frame for improved energy efficiency and performance
- Fusion welded frame and sash corner joints for improved air and water performance



- 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)
- Folding nesting crank handle for a sleek appearance
- Available with integral nailing fin for new construction applications
- Triple weather seal locations



## WINDOW CONFIGURATIONS



## PERFORMANCE

The Energex Elite awning windows are a very versatile window and allow for ventilation and fresh air, weven when it is raining! These windows can be used as standalone units or combine them withthe Energex Elite picture windows or additional configurations.





# STANDARD FEATURES

## DOUBLE HUNG PERFORMANCE

- ( 48 x 75 test unit )
- Structural: DP 65
  - Thermal performance range: .48 to .18
  - Air Infiltration: 0.05 cfm
  - Designed to achieve excellent Sound Transmission Coefficient (STC)

## WARRANTY

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



## FLEXSCREEN

- Nearly indestructible
- Barely visible
- Effortless installation
- Everything you want a screen to be
- Comes standard with all Energex Elite Double Hung and Horizontal Sliders



## SUNSHIELD

- An advanced material developed through an intensive manufacturing process and formulated to withstand the harsh effects of weather and ultra violet light.
- Sunshield® is an environmentally minded compound that exceeds all required material standards for strength and best-in-class performance.



## INNERGY RIGID THERMAL REINFORCEMENTS

- The next generation of reinforcements designed to slide easily into window chambers for great support and thermal performance.
- 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.



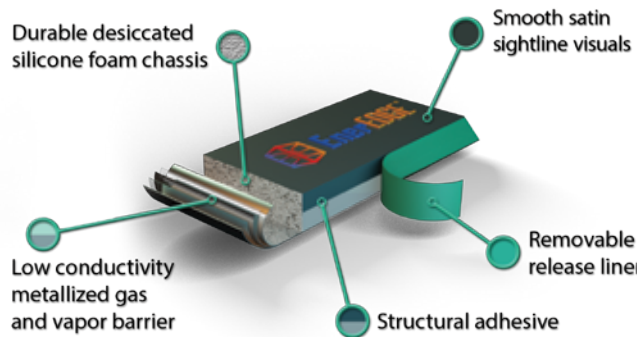
## DESIGN

- 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

## ENEREDGE WARM EDGE TECHNOLOGY

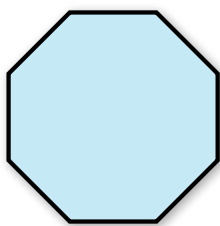


- The all-foam formula of EnerEDGE blocks the heat escape path and provides on the best thermal performances in the industry.
- Condensation can lead to more than bacteria and molds. It can increase the likelihood of fungi, viruses, and mites that cause respiratory infections, allergies, and asthma. With our EnerEDGE spacer system, we cut down on the chances of condensation on your glass dramatically compared to traditional systems using a metal spacer system.
- 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.

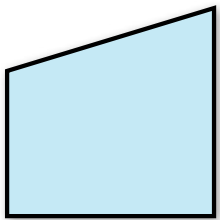


# SPECIAL SHAPES

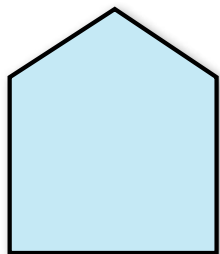
Special shape windows allow you to add a variety of architectural styles to your home or business and help create a unique style all your own. More shapes are available by request.



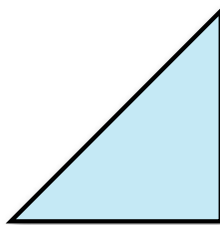
Octagon



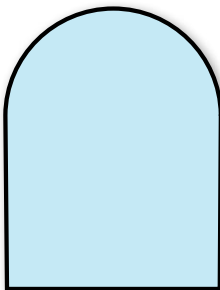
Trapezoid



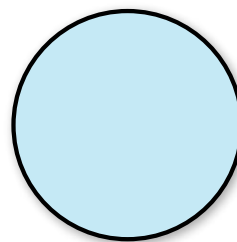
Pentagon



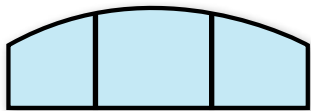
Triangle



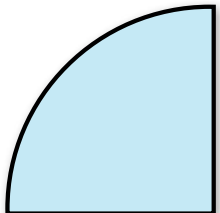
Circletop Ext. Legs



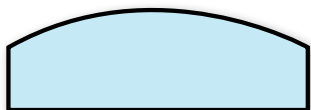
Circle



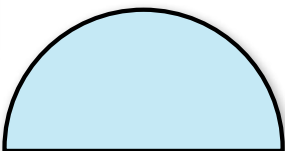
Eyebrow Segmented



Quarter Circle



Eyebrow Ext. Legs



Circletop

# STANDARD COLORS

Energex offers you the opportunity to achieve the color combination that suits the unique style of your home.

WHITE (Inside and Outside)

CLAY (Inside and Outside)

DARK OAK (Inside) / WHITE (Outside)

DARK OAK (Inside) / CLAY (Outside)

WHITE (Inside) / BLACK (Outside)  
20 Year Warranty

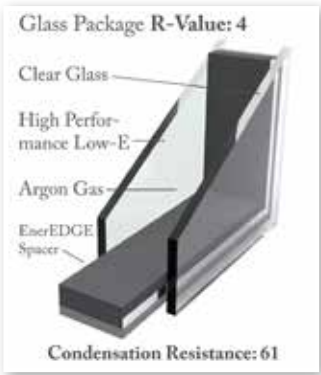


# GLASS PACKAGE OPTIONS

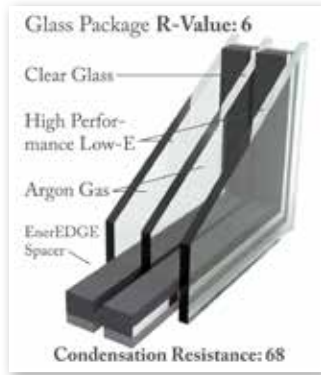
Between double and triple pane, there is a lot to consider to get the right glass for your home and meet your individual needs.



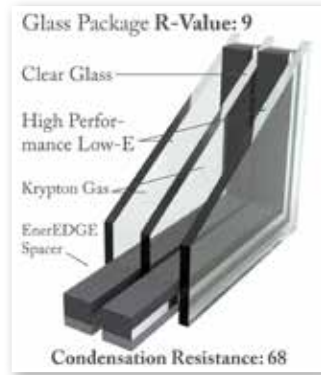
**DOUBLE PANE**  
with Clear Glass and no gas



**DOUBLE PANE**  
with High Performance Low-E and Argon gas  
(Standard Package)



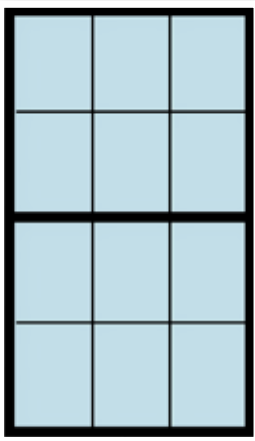
**TRIPLE PANE**  
with 2 coatings High Performance Low-E and Argon gas



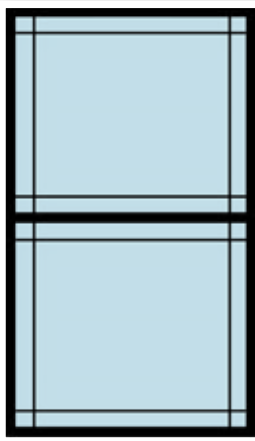
**TRIPLE PANE**  
with 2 coatings High Performance Low-E and Krypton gas

# GRID OPTIONS

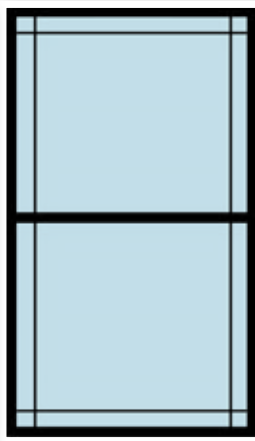
Grids are decorative fixed inserts for windows and doors that add a traditional and personal touch. Grids reside between the glass in our double-pane or triple-pane windows making cleaning your windows a breeze. The perfect window grid pattern is often the final touch in creating the ideal aesthetic of your home.



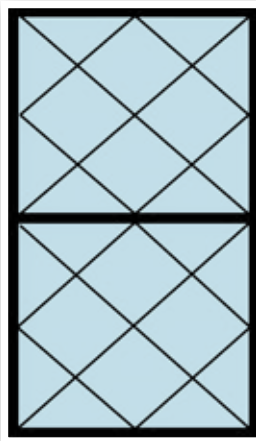
Colonial



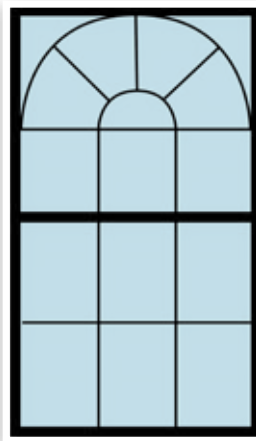
Std. Prairie



Spanned Prairie



Diamond  
Extra cost.



Circletop  
Extra cost.

## INTERNAL GRID OPTIONS

Aluminum bars between the panes of glass to accent the look of your window.



Flat



Contour

# PRIVACY & SAFETY OPTIONS

These extra features can fit any home style or budget.



## INTERNAL RAISE AND LOWER BLINDS

Internal Blinds raise and lower between the glass offering the ultimate control over privacy and lighting. Available in six colors. (10 year warranty)



White



Tan



Espresso



Slate Gray



Silver Moon

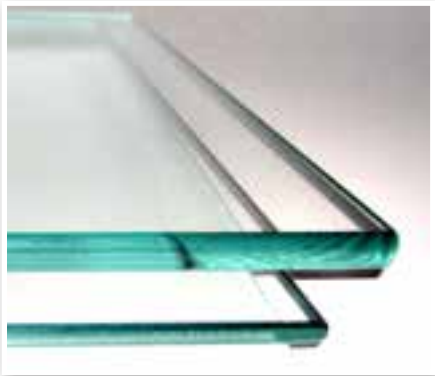


Sand



## OBSCURE GLASS

Offers a slight distortion to increase privacy but still allow light to filter in. Obscure privacy glass reduces the likelihood of needing extra window coverings, however actual privacy levels will vary depending on the distance from the glass and also the amount of light in the room in comparison to the light outside your home.



## TEMPERED GLASS

Safety glass, when broken, to crumble into small granular chunks instead of splintering into jagged shards. (10 year warranty)

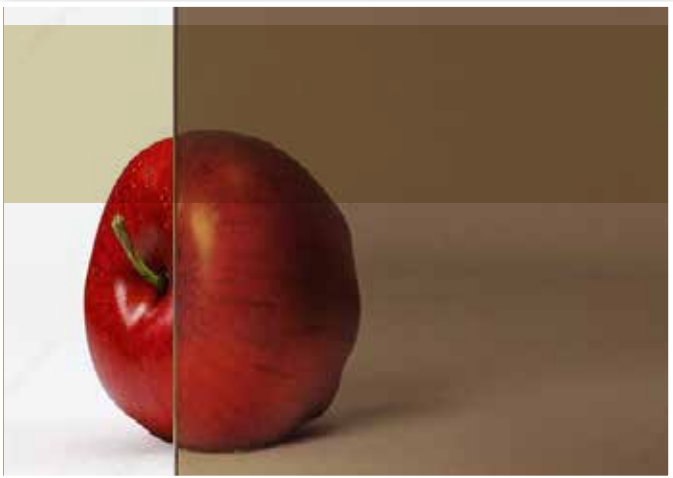
# TINT OPTIONS

Promising to keep your home both cooler and more private, it is certainly not difficult to understand why this type of window upgrade is attractive at face-value.



## GRAY TINT

Superior glare control  
Additional protection against interior fabric and color fading  
Additional protection from UV light



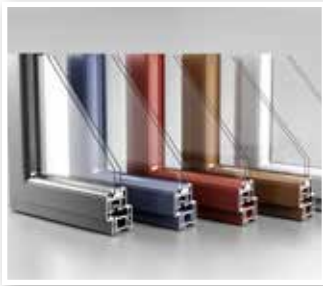
## BRONZE TINT

High visible light transmittance  
Warm glow  
Complements brick and stone  
Additional protection from UV light

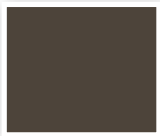


# EXTERIOR PAINT OPTIONS

For more curb appeal, add optional paint to the exterior of the windows. It's available in several colors, so you can match or complement your window or door colors to create a variety of looks.



Painted Exterior in a Wide Array of Colors



Burnished Slate



Charcoal



Black



Gray



Burgundy



Brown



Evergreen



Red

More Colors Available

# SCREEN MESH OPTIONS

When fresh air flow is a priority, keeping insects and debris at bay doesn't have to come with any sacrifices. We offer a variety of screen mesh options to match the look and functionality you need.



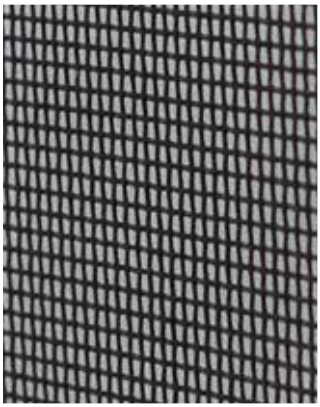
## STANDARD SCREEN MESH

This is the default mesh type on our screens. The standard mesh strikes a great balance between durability and offering a great view through the mesh.



## BETTERVUE® SCREEN MESH

BetterVue® screen mesh offers increased optical clarity while looking through the screen due to being a finer mesh. However because of the finer mesh, the screen is slightly more prone to tears.



## TUFF SCREEN MESH

Heavy Duty screen mesh is the ultimate mesh when it comes to durability. It is pet resistant as well as grasshopper resistant. However due to its heavier construction, it does sacrifice some optical clarity.



## ALUMINUM SCREEN MESH

Lightweight and durable. However it is not available in the Flex Screen system!

# ADDITIONAL OPTIONS & FEATURES



## Factory Mulling

We factory mull window units together into multi-window units in a wide array of sizes and configurations. When the units arrive at the job-site they are complete and ready to install without any additional assembly in the field!



## Cottage Style Sashes

This option gives a unique appearance by having the bottom and top sash split into a 2/3-1/3 configuration.



## Oriel Style Sashes

This option gives a unique appearance by having the bottom and top sash split into a 1/3-2/3 configuration.



## Exterior Brickmould

Our exterior brickmould is the perfect exterior trim to complement the window for that extra finishing touch. This brickmould will have fusion welded corners and it also has its own J-channel pocket and nailing flange for easy installation. (Available in white or Clay)



## Integral Nail Flange with J-Channel Pocket for New Construction

Integral nail flange provides easy installation and the 3/4" J-channel pocket accepts most standard vinyl siding products.



YOUR LOCAL PROFESSIONAL



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info@thermoseal.net  
www.thermoseal.net



**EnergeX**  
window systems  
ENERGEX ELITE WINDOW SYSTEM



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