



element**SHIELD**[™]

VINYL



Impact Resistant
Windows & Doors





Why ElementShield Vinyl?

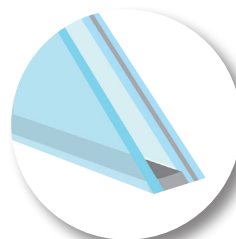
- Enhanced energy efficiency
- Strength and durability
- Low maintenance costs
- Enhanced color retention
- Undergoes uncompromising quality and performance testing

Save Money with Energy-Efficient Options

Combine the advantages of impact protection and energy savings with ElementShield Vinyl windows and doors. Save on your heating and cooling bill by selecting from a variety of energy efficient glass choices including Low-E coatings and insulated glass.

How to Select the Right Performance Glass for Your Home

An extra single pane of glass is added to the unit with a hermetically sealed air space (or gas filled space) in between the panes. This space serves as an insulator between inside and outside temperature variations. It also helps improve the energy performance of Low-E coatings overall.



Impact
Insulated
Glass



Non-Impact
Insulated
Glass



High Performance Low-E Coatings

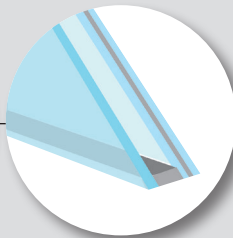
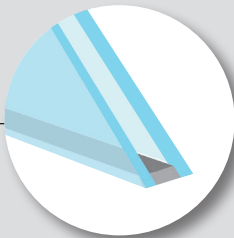
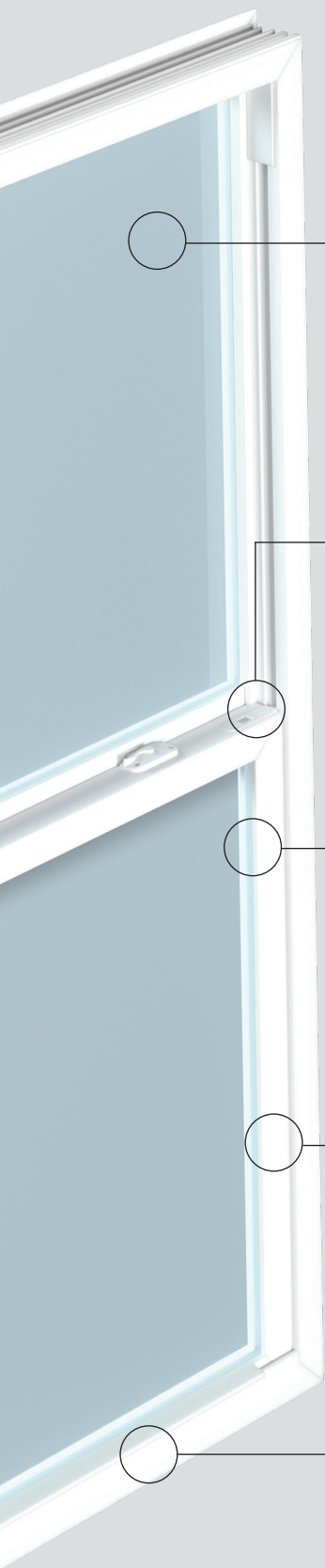
Low-E Coatings are added to the internal glass surface to separate heat energy (long wave) and light energy (short wave). The heat energy is reflected back to the heat source, and the short wave can pass through the coating. Hence, Low-E helps you maintain more comfortable indoor temperatures in warm and cold weather. These coatings also exhibit certain color characteristics depending upon viewing angles, reflected light and time of day.

Benefits of ElementShield IMPACT products:

- 24/7 protection from hurricanes
- Significant sound reduction
- Energy Efficiency
- Filters 99% of UV rays
- Increase value of your home
- Lower insurance premiums
- Warranty that includes impact intruder protection*
 - get reimbursed for up to \$1,000 of the owner's insurance deductible.

*See warranty for more details.





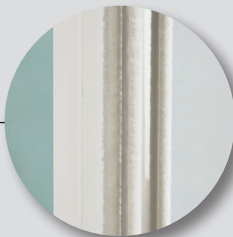
GLASS

Insulated double pane annealed or tempered glass or Impact insulated triple pane annealed or Impact insulated triple pane annealed/tempered combination



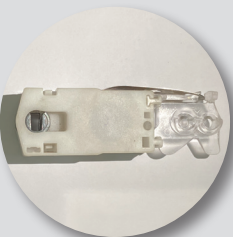
TILT LATCHES

Tilt latches allow lower sash to tilt in for easing cleaning



TRIPLE WEATHERSTRIPPING

Triple weatherstripping at the stiles create superior energy efficient air and water infiltration protection



BALANCE

Quick Tilt Constant Force Balance for prolonged durability and ease of operation



TRIM

Contoured for an added touch of elegance

Single Hung Window

Impact: 900V
Non-Impact: 800V

AVAILABLE FINISH

- White
- Tan
- Bronze Exterior/ White Interior

STANDARD GLASS COLORS

- Clear Energy Shield Max
- Clear LoE 340 (meets turtle code)
- Rain
- Mist
- White & Gray interlayers

GLASS TYPES

- Non Impact: Insulated double pane annealed or tempered glass
- Impact: Insulated triple pane annealed or triple pane annealed/tempered combination

STANDARD HARDWARE

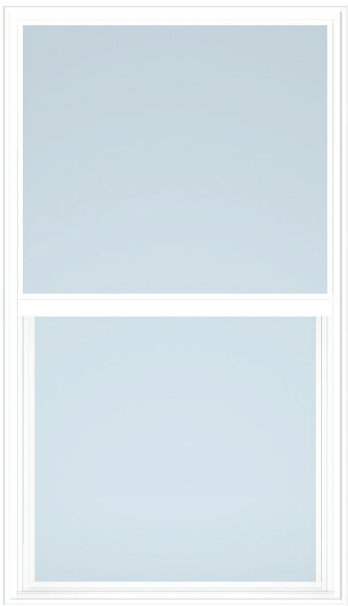
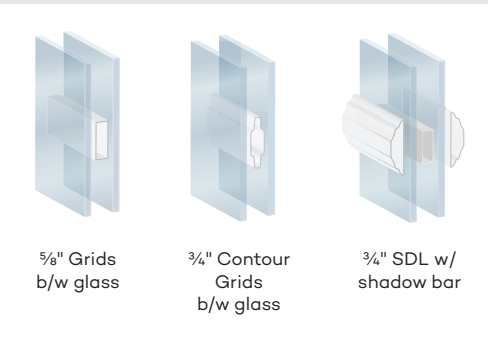
- Recessed tilt latches
- Sweep lock

STANDARD FEATURES

- 3 ¼" frame depth
- Fusion Welded Frame and Sash Corners
- Triple weatherstripping
- Aluminum reinforced sashes and meeting rail

OPTIONAL ITEMS

- Available in Oriel/Proview configurations
- Colonial grid types:



SIZE CHART

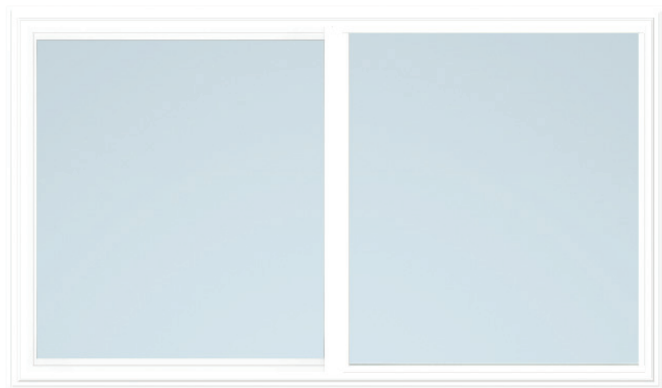
SINGLE HUNG	MIN	Max NON IMPACT	Max IMPACT
Equal	17 ¾" x 22"	54" x 76"	54" x 76"
	15" x 29 ½"	48" x 84"	40" x 48"
Proview	17 ¾" x 27 ½"	54" x 90"	54" x 90"
	15" x 37"	15" x 90"	15" x 90"



Horizontal Roll Window

Impact: 910V

Non-Impact: 810V



SIZE CHART

HORIZONTAL ROLLER	MIN	Max NON IMPACT	Max IMPACT
XO, OX	29 1/4" x 14"	74" x 62"	74" x 72"
	21 3/4" x 16 3/4"		74" x 63" Fin Frame
XOX (1/4-1/2-1/4)	58 1/2" x 14"	111" x 63"	111" x 63"
	43 1/2" x 16 3/4"		
XOX (1/3-1/3-1/3)	58 1/2" x 14"	82 7/8" x 63"	82 7/8" x 63"

AVAILABLE FINISH

- White
- Tan
- Bronze Exterior/ White Interior

STANDARD GLASS COLORS

- Clear Energy Shield Max
- Clear LoE 340 (meets turtle code)
- Rain
- Mist
- White & Gray interlayers

GLASS TYPES

- Non Impact: Insulated double pane annealed or tempered glass
- Impact: Insulated triple pane annealed or triple pane annealed/tempered combination

STANDARD HARDWARE

- Sweep lock
- Brass wheels

STANDARD FEATURES

- 3 1/4" frame depth
- Fusion Welded Frame and Sash Corners
- Triple weatherstripping
- Aluminum reinforced meeting rail

OPTIONAL ITEMS

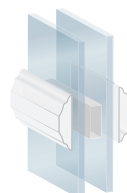
- Colonial grid types:



5/8" Grids b/w glass



3/4" Contour Grids b/w glass



3/4" SDL w/ shadow bar



Picture Window

Impact: 920V

Non-Impact: 820V

AVAILABLE FINISH

- White
- Tan
- Bronze Exterior/ White Interior

STANDARD GLASS COLORS

- Clear Energy Shield Max
- Clear LoE 340 (meets turtle code)
- Rain
- Mist
- White & Gray interlayers

GLASS TYPES

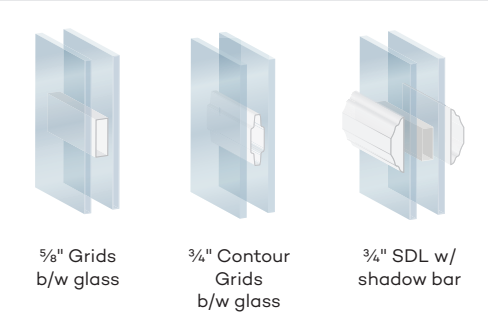
- Non Impact: Insulated double pane annealed or tempered glass
- Impact: Insulated triple pane annealed or triple pane annealed/tempered combination

STANDARD FEATURES

- 3 1/4" frame depth
- Fusion Welded Frame and Sash Corners

OPTIONAL ITEMS

- Colonial grid types:



SIZE CHART

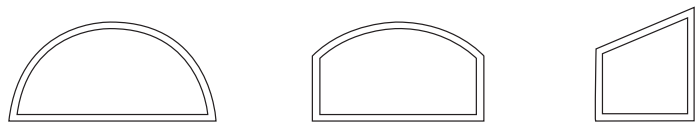
PICTURE WINDOW	MIN	Max NON IMPACT	Max IMPACT
Rectangular Fixed	11 1/4" x 15 1/4"	max 40 sq ft	max 35 sq ft
Rectangular Fixed	15 1/4" x 11 1/4"	max 40 sq ft	max 35 sq ft



Architectural Window

Impact: 920V

Non-Impact: 820V



Half Circle

Arch

Trapezoid



Chord

Half Chord



SIZE CHART

ARCHITECTURAL	MIN	Max NON IMPACT	Max IMPACT
Half Circle	24" x 12"	max 40 sq ft	max 35 sq ft
Arch	24" x 16" x 4" (min leg)	max 40 sq ft	max 35 sq ft
Trapezoid	11 1/4" x 15 1/4" (32° angle or greater)	max 40 sq ft	max 35 sq ft
Chord	24" x 11 3/4" (12" min radius. 32° angle or greater)	max 40 sq ft	max 35 sq ft

AVAILABLE FINISH

- White
- Tan
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STANDARD GLASS COLORS

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- Rain
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GLASS TYPES

- Non Impact: Insulated double pane annealed or tempered glass
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STANDARD FEATURES

- 3 1/4" frame depth
- Fusion Welded Frame and Sash Corners

OPTIONAL ITEMS

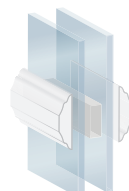
- Colonial grid types:



5/8" Grids
b/w glass



3/4" Contour
Grids
b/w glass



3/4" SDL w/
shadow bar



Sliding Glass Door

Impact: SGD930V

Non-Impact: 830V

AVAILABLE FINISH

- White
- Tan
- Bronze Exterior/ White Interior

STANDARD GLASS COLORS

- Clear Energy Shield Max
- Clear LoE 340 (meets turtle code)
- Rain
- Mist
- White & Gray interlayers

GLASS TYPES

- Non Impact: Insulated double pane annealed or tempered glass
- Impact: Insulated triple pane annealed or triple pane annealed/tempered combination

STANDARD HARDWARE

- Dual point mortise lock
- Stainless steel powder coated handles

STANDARD FEATURES

- Fusion welded corners on panels
- Weep systems
- Oversized stainless steel ball bearings
- 6' 8 and 8' door heights available
- 2-4 panel configurations
- Screens (only available on 2 track)

OPTIONAL ITEMS

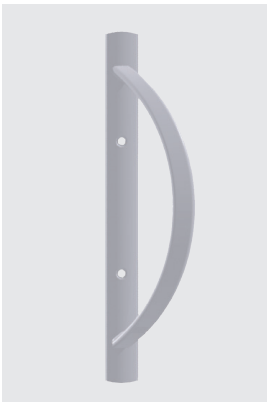
- Modern Handle
- Colonial grid types:



SIZE CHART

SLIDING GLASS DOOR	MIN	Max NON IMPACT	Max IMPACT
Bypass 2/2	48.25" x 48"	120" x 84"	108.687" x 95.5"
Bypass 3/3	75" x 48"	176.75" x 84"	159.75" x 95.5"
Bypass 3/2	81" x 48"	182.062" x 84"	165.12" x 95.5"
Bypass 4/2	103" x 48"	239.062" x 84"	216.5" x 95.5"
Bypass 4/4	98" x 48"	233.5" x 84"	210.875" x 95.5"
Pocket 1/2	24" x 48"	57" x 84"	51.375" x 95.5"
Pocket 2/2	47" x 48"	114.312" x 84"	103" x 95.5"
Pocket 3/3	69" x 48"	171.125" x 84"	154.187" x 95.5"
Pocket 4/4	92" x 48"	227.875" x 84"	205.25" x 95.5"
Dbl Pocket 2/2	46" x 48"	114.312" x 84"	103" x 95.5"
Dbl Pocket 4/4	92" x 48"	227.875" x 84"	205.25" x 95.5"

HARDWARE



Euro Handle

Available in White, Tan, Bronze, Satin Nickel



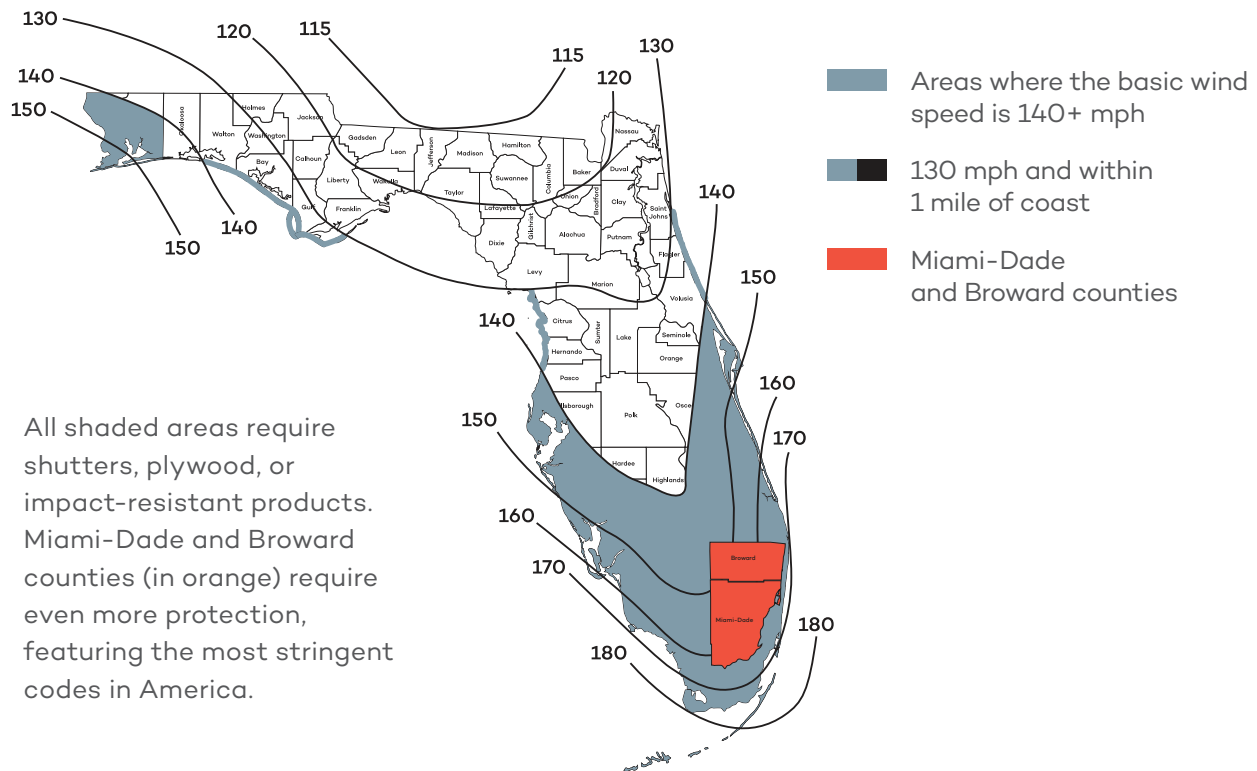
Modern (upgrade)

Available in White, Tan, Bronze, Satin Nickel



WIND-BORNE DEBRIS TERRITORIES

Residential remodels or new construction. For impact products only.



All shaded areas require shutters, plywood, or impact-resistant products. Miami-Dade and Broward counties (in orange) require even more protection, featuring the most stringent codes in America.

After Hurricane Andrew in 1992, we collaborated with Florida Building officials to develop and implement these standards—better known as the Miami-Dade Notice of Acceptance.

ElementShield® products meet Miami Dade Notice of Acceptance. We* also hold the most Miami-Dade certifications in our industry.

(*PGT Innovations)

For warranty information including **impact intruder protection** and **unlimited transferability**, visit CGIatLowes.com.



INVENT. BUILD. DELIVER.

THE PGT INNOVATIONS FAMILY OF BRANDS

