

STYLEGUARD®

Impact-Resistant Windows and Doors

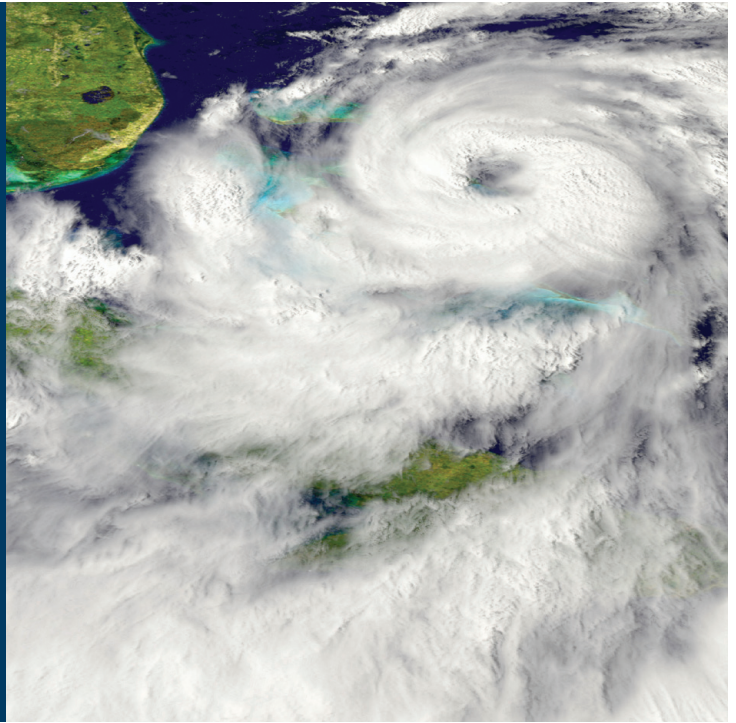


2017 Edition

YKK
ap®
Quality
inspires®

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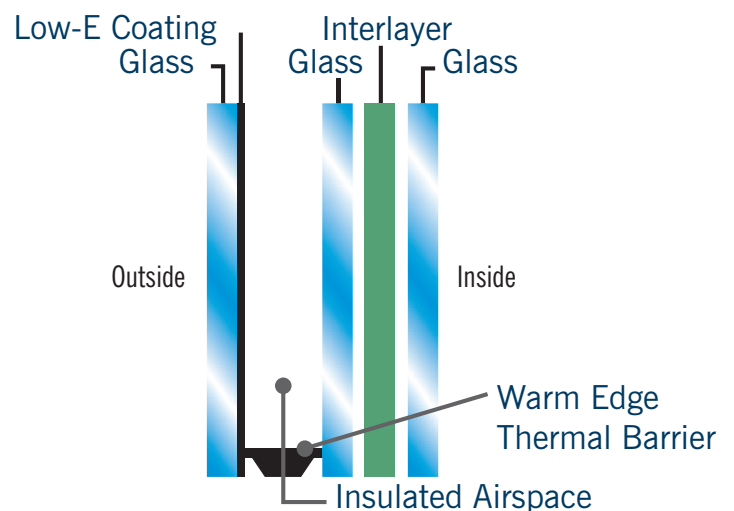


Specifically designed for homes built in coastal areas subject to hurricanes and other extreme weather conditions, StyleGuard® impact-resistant windows and doors from YKK AP provide the performance and protection property owners need to weather the storm. StyleGuard impact-resistant windows and doors are made with non-corrosive materials and never need painting. Each StyleGuard impact-resistant window and door is designed to save energy and is made with low-E glass as a standard feature. Our windows and doors

work overtime to keep the inside cool in summer and warm in winter while providing around-the-clock impact protection that shutters and plywood can't. StyleGuard impact-resistant windows and doors comply with ASTM and Miami-Dade protocols to resist damage from windborne debris. The YKK AP philosophy of continual investment in research and development, in testing, and in production facilities has kept us in the forefront of the industries we serve. YKK AP is a worldwide leader in architectural products.



Insulating Glass with Low-E Coating





STYLEGUARD®

Impact-Resistant Windows and Doors



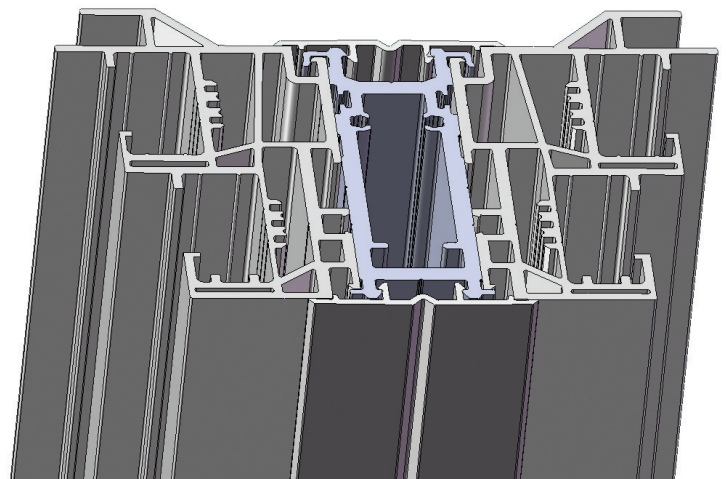
StyleGuard windows and doors protect 24/7/365

Severe storms produce flying debris that can easily penetrate standard glass. If a home's structural envelope is breached, the resulting increase in pressure can literally tear the roof and walls apart. StyleGuard impact-resistant windows protect the home from the disastrous effects of these storms by using thermally-efficient insulated glass capable of resisting penetration—even by a nine pound two by four traveling at 50 feet per second.

StyleGuard windows and doors look as great as they protect

StyleGuard impact-resistant windows and doors are designed to complement any architectural style. Flush mounted tilt latches, a proprietary lock design, an architecturally correct profile design and wood-like profiles give the windows distinctive aesthetic appeal. And, heavy-duty structural mullions allow home designers to utilize creative window configurations for dramatic effects, inside and out.

Heavy-duty structural mullions meet structural load requirements



STYLEGUARD® WINDOW & DOOR OPTIONS



COLORS



Tan



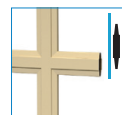
White

Color swatches are representative only

GRID STYLES (FACE WIDTH: 7/8")



Flat Grids
Between Glass



Sculptured Grids
Between Glass



Simulated Divided
Lights

ENERGY EFFICIENCY GLASS



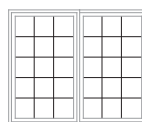
270 Low-E (Standard)
*Reduces heat gain 50% and
blocks 86% of sun's UV rays*



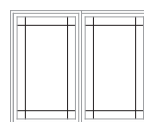
366 Low-E
*Reduces heat gain 64% and
blocks 95% of sun's UV rays*

Grey tint can be combined with either Low-E glass to meet the Florida Coastal Lighting code requiring a visible light transmittance of 45% or less.

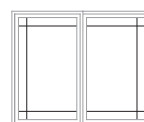
GRID PATTERNS



Colonial



Prairie



Perimeter
Prairie



Valance

GLASS APPEARANCE

Select from three glass appearance options for enhanced style, light management, and privacy:



Clear



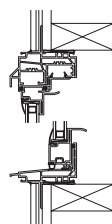
Rain



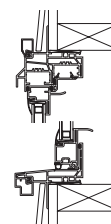
Obscure

INSTALLATION OPTIONS

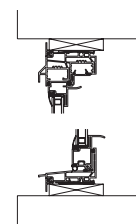
The variety of installation options span a rich millwork look with a brick mould exterior to flush frames that accommodate stucco and block construction.



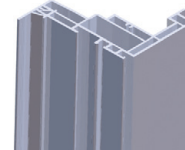
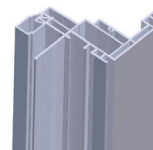
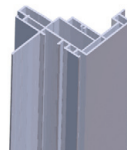
Nail Fin
(Standard)



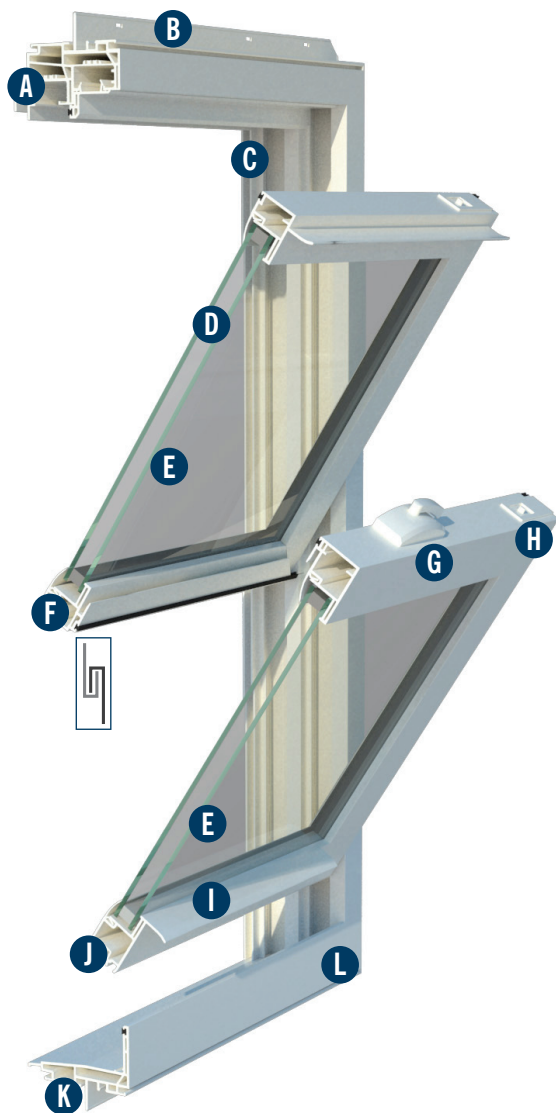
Nail Fin with Brick
Mould/J-Channel Option



Flange for Block
Construction



STANDARD FEATURES: THE STYLEGUARD[®] DIFFERENCE



- A Optional 180 Brick Mould & J-Channel:** Produces a rich detailed appearance while reducing labor and material costs typical of J-channel applications
- B Integral 1 1/4" Nail Fin:** Provides easy installation
- C Constant-Force Stainless Steel Balance:** Corrosion-resistant and never needs adjustment
- D 7/8" Insulated Impact-Resistant Laminated Glass:** Complies with ASTM and Miami-Dade protocols for impact resistance, while low-E and low-conductance spacers are standard for optimal thermal efficiency
- E Tilt-In Bottom and Top Sash:** Makes cleaning easier
- F Interlocking Sash:** Improves structural performance and integrity
- G Corrosion-Resistant Hardware:** For lasting durability in the harshest environments
- H Flush-Mounted Tilt Latches:** Aesthetically designed to meet structural and impact loads
- I Integral Lift Rail:** Enables easy sash operation
- J Double Weather Stripping:** Optimum protection against air, water, noise, and dust infiltration
- K Fusion-Welded Sloped Sill & Projected Sill Nose:** For an architecturally correct look and improved water rating
- L Fusion-Welded Frame and Sash:** Enhances structural integrity and improves energy efficiency

DOUBLE-HUNG WINDOWS

①		20"	24"	28"	30"	32"	36"	38"	40"	44"
	②	19-1/2"	23-1/2"	27-1/2"	29-1/2"	31-1/2"	35-1/2"	37-1/2"	39-1/2"	43-1/2"
36"	35-1/2"									
38"	37-1/2"									
44"	43-1/2"									
46"	45-1/2"									
48"	47-1/2"									
50"	49-1/2"									
52"	51-1/2"									
54"	53-1/2"									
60"	59-1/2"									
62"	61-1/2"									
66"	65-1/2"									
72"	71-1/2"									
76"	75-1/2"									



Double-Hung Windows

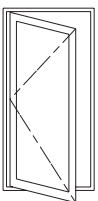
- ① Rough Opening
- ② Actual Window Size
- All dimensions are inches.
- Shading indicates window meets egress.
- For twins, double rough opening of single.
- For triples, triple rough opening of single.

CASEMENT WINDOWS

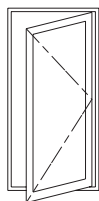
StyleGuard® casement windows are easily combined to make multiple units to create dramatic window effects and improved ventilation in contemporary or traditional homes.

1		18"	20"	24"	28"	30"	36"
2		17-1/2"	19-1/2"	23-1/2"	27-1/2"	29-1/2"	35-1/2"
24"	23-1/2"						
36"	35-1/2"						
42"	41-1/2"						
48"	47-1/2"						
52"	51-1/2"						
60"	59-1/2"						
62"	61-1/2"						

Left Hinge



Right Hinge



Casement Vent Layout

When ordering, specify left or right hinge configuration as viewed from outside.

Casement Windows

① Rough Opening

② Actual Window Size

- All dimensions are inches.
- Shading indicates window meets 5.7 sq ft egress.
- Darker shading indicates units require egress hinges which limit interior washability. A casement with standard hinges cannot be converted to egress compliance.
- For twins, double rough opening of single.
- For triples, triple rough opening of single.



Stylish folding handle is standard on all casement windows.







































Easy to clean with hinges that open 90° to allow cleaning of outside surface from inside the house.



Multi-Point Lock: Single handle engages multiple lock points to provide air- and water-tight seal by compressing sash securely to the frame

TRANSOM WINDOWS



1		20"	24"	28"	30"	32"	36"	38"	40"	44"
12"	2	19-1/2"	23-1/2"	27-1/2"	29-1/2"	31-1/2"	35-1/2"	37-1/2"	39-1/2"	43-1/2"
	11-1/2"									
	18"									
	24"									
28"	27-1/2"									

Transom Windows

1 Rough Opening

2 Actual Window Size

- All dimensions are inches.
- For twins, double rough opening of single.
- For triples, triple rough opening of single.





PICTURE WINDOWS

1	12"	18"	20"	24"	28"	30"	32"	36"	40"	44"	48"	50"	52"	60"	62"	66"	72"	78"
2	11-1/2"	17-1/2"	19-1/2"	23-1/2"	27-1/2"	29-1/2"	31-1/2"	35-1/2"	39-1/2"	43-1/2"	47-1/2"	49-1/2"	51-1/2"	59-1/2"	61-1/2"	65-1/2"	71-1/2"	77-1/2"
36"	35-1/2"																	
38"	37-1/2"																	
44"	43-1/2"																	
46"	45-1/2"																	
48"	47-1/2"																	
50"	49-1/2"																	
52"	51-1/2"																	
54"	53-1/2"																	
60"	59-1/2"																	
62"	61-1/2"																	
66"	65-1/2"																	
72"	71-1/2"																	
78"	77-1/2"																	

Picture Windows

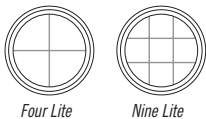
- 1 Rough Opening
- 2 Actual Window Size
- All dimensions are inches.
- For twins, double rough opening of single.
- For triples, triple rough opening of single.

GEOMETRIC WINDOWS



StyleGuard® geometric windows offer exciting opportunities to expand the value of windows as an architectural asset. With their potential for dramatic lighting, elegant accents and unique combinations with other StyleGuard window and door products, geometric windows offer endless possibilities for adding sophisticated refinements to the charm of any home. Homeowners will appreciate the visual appeal, low maintenance and durability of these finely crafted products.

Circle



Size Code	DIMENSIONS
SGCR3636	35-1/2" x 35-1/2"
SGCR4848	47-1/2" x 47-1/2"

Octagon



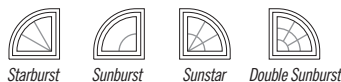
Size Code	DIMENSIONS
SGOC2424	23-1/2" x 23-1/2"
SGOC3232	31-1/2" x 31-1/2"
SGOC3636	35-1/2" x 35-1/2"

Half Round



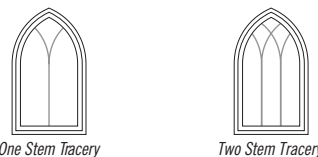
Size Code	DIMENSIONS	Size Code	DIMENSIONS
SGHR3216	31-1/2" x 15-1/2"	SGHR5628	55-1/2" x 11-1/2"
SGHR3618	35-1/2" x 17-1/2"	SGHR6030	59-1/2" x 29-1/2"
SGHR3819	37-1/2" x 18-1/2"	SGHR6432	63-1/2" x 31-1/2"
SGHR4020	39-1/2" x 19-1/2"	SGHR7236	71-1/2" x 35-1/2"

Quarter Round



Size Code (left)	Size Code (right)	DIMENSIONS
SGQRL20	SGQRR20	19-1/2" x 19-1/2"
SGQRL24	SGQRR24	23-1/2" x 23-1/2"
SGQRL28	SGQRR28	27-1/2" x 27-1/2"
SGQRL30	SGQRR30	29-1/2" x 29-1/2"
SGQRL32	SGQRR32	31-1/2" x 31-1/2"
SGQRL36	SGQRR36	35-1/2" x 35-1/2"

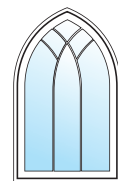
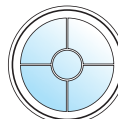
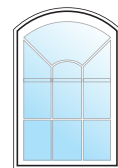
Gothic



Size Code	DIMENSIONS	Size Code	DIMENSIONS
SGGO1836	17-1/2" x 35-1/2"	SGGO2856	27-1/2" x 55-1/2"
SGGO2040	19-1/2" x 39-1/2"	SGGO3060	29-1/2" x 59-1/2"
SGGO2244	21-1/2" x 43-1/2"	SGGO3672	35-1/2" x 71-1/2"
SGGO2448	23-1/2" x 47-1/2"		






































































































Geometric Windows

- All dimensions are inches.
- Available in custom shapes.



FIXED EXTENDED ARCH & EYEBROW WINDOWS



Chord Height		4-3/8"	5-1/8"	5-7/8"	6-5/8"	6-7/16"	8-1/8"	9"	9-7/16"	 Starburst	<div>Eyebrow</div> <div>Extended Arch</div>	
Radius		18"	21"	24"	27"	30"	32"	36"	38"			
Rough Opening		24"	28"	32"	36"	40"	44"	48"	50"			
Actual Window Size		23-1/2"	27-1/2"	31-1/2"	35-1/2"	39-1/2"	43-1/2"	47-1/2"	49-1/2"			
Series	A	11-1/2"	7-1/8"	         								
	B	23-1/2"	19-1/8"	         								
	C	35-1/2"	31-1/8"	         								
	D	43-1/2"	39-1/8"	         								
	E	47-1/2"	43-1/8"	         								
	F	51-1/2"	47-1/8"	         								
	G	59-1/2"	55-1/8"	         								
H	65-1/2"	61-1/8"	         									
J	71-1/2"	67-1/8"	         									
K	78"	73-1/8"	         									

HD SLIDING DOORS



Two Panel: xo, ox, xx (non-reversible)

1	60"		72"	96"
	60"		72"	96"
	59-1/2"		71-1/2"	95-1/2"
80"	2	80"	79-1/2"	
96"		96"		
			95-1/2"	
			95-1/2"	

Three Panel: oxo, oox, xoo (non-reversible)

1	90"		108"	144"
	92-1/4"		110-1/4"	146-1/4"
	91-3/4"		109-3/4"	145-3/4"
80"	2	80"	79-1/2"	
96"		96"		
			95-1/2"	
			95-1/2"	

Four Panel: oxox (non-reversible)

1	120"		144"	192"
	119-1/4"		143-1/4"	191-1/4"
	118-3/4"		142-3/4"	190-3/4"
80"	2	80"	79-1/2"	
96"		96"		
			95-1/2"	
			95-1/2"	

HD Sliding Doors

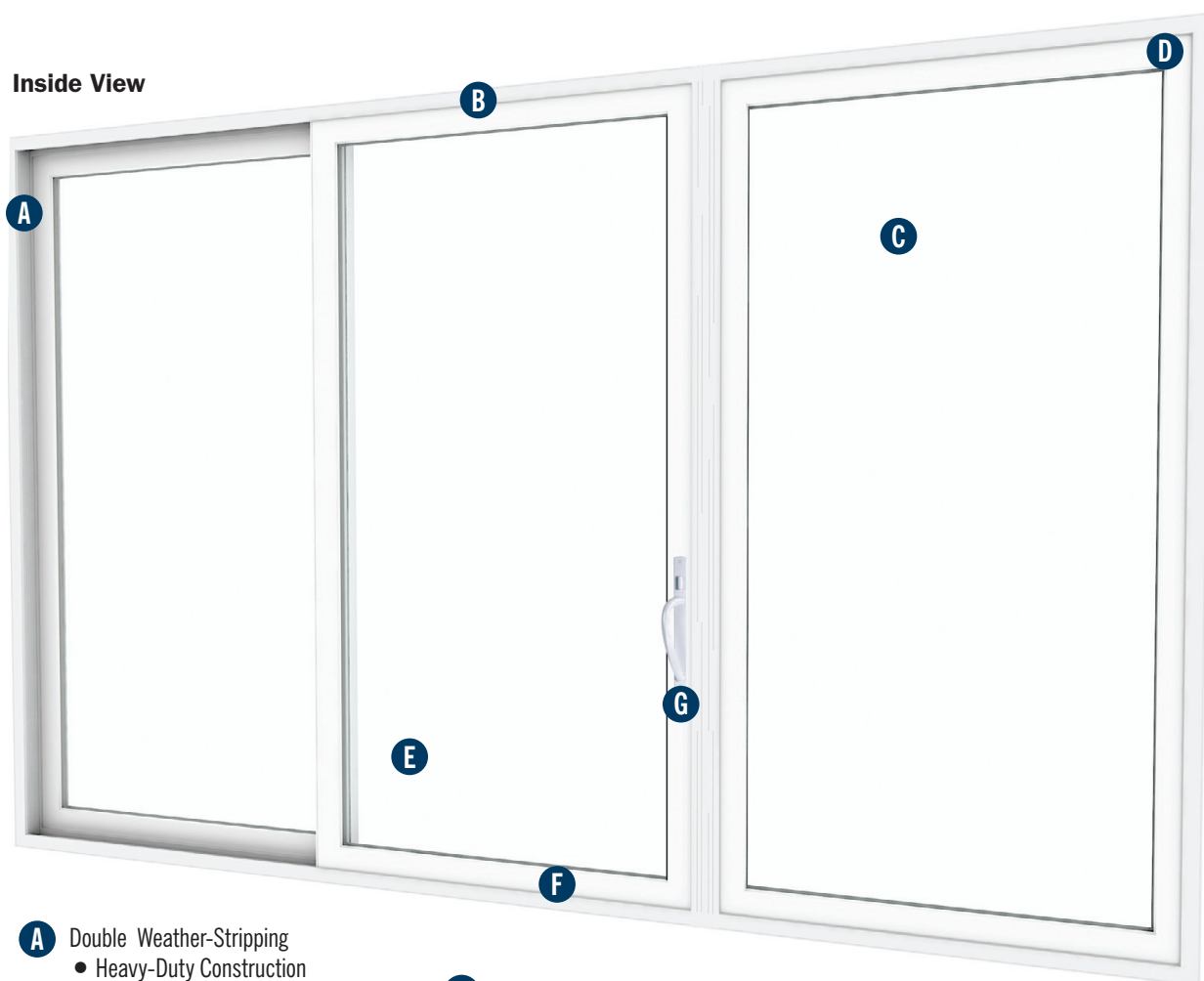
- Sash operation is viewed from the outside looking in.
- All dimensions are inches.
- Doors are NOT reversible.





SG

Inside View



- A** Double Weather-Stripping
 • Heavy-Duty Construction

- B** Integral 1 1/4" Nail Fin
 • 1 1/2" Masonry Flange Option
 • Brick Mould Option

- C** 1" Insulated Impact-Resistant Laminated Glass: Complies with ASTM and Miami-Dade protocols for impact resistance, while low-E and low-conductance spacers are standard for optimal thermal efficiency

- D** Fusion-Welded Sash

- E** Argon-Filled Glazing Option
 • Heavy-duty Extruded Screen Door

- F** 1 1/2" Adjustable Rollers with Precision Bearings
 • Corrosion-Resistant Hardware

- G** Premium Handle Set with Optional Keyed Function
 • Two-Point Lock
 • Coastal Hardware Package Standard

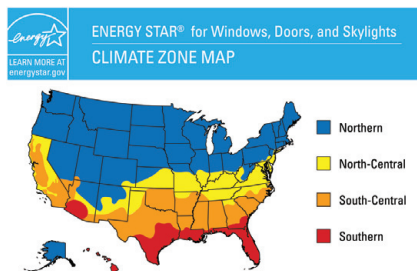


STYLEGUARD® WINDOW AND DOOR QUALITY GUARANTEED

YKK AP stands behind every StyleGuard window and door product with a Limited Lifetime Warranty.

ENERGY STAR WINDOWS AND DOORS PERFORMANCE CRITERIA

Energy Star Climate Zones



ENERGY STAR® Qualification Criteria for Residential Windows

Phase 2: Effective January, 2015			
Climate Zone	U-Factor ¹	SHGC ²	
Northern	≤ 0.27	Any	Prescriptive
	≤ 0.28	≥ 0.32	Equivalent Energy Performance
	≤ 0.29	≥ 0.37	
North-Central	≤ 0.30	≤ 0.40	
South-Central	≤ 0.30	≤ 0.25	
Southern	≤ 0.40	≤ 0.25	

ENERGY STAR® Qualification Criteria for Residential Doors

Glazing Level	U-Factor ¹	SHGC ²
Opaque	≤ 0.17	No Rating
≤ ½-Lite	≤ 0.25	≤ 0.25
> ½-Lite	≤ 0.30	Northern and North-Central ≤ 0.40 South-Central and Southern ≤ 0.25

¹ Btu/h-ft²-F

² Fraction of incident solar radiation

ENERGY STAR Phase 2 provides no performance guidelines for impact-resistant windows and doors.

STYLEGUARD WINDOWS AND DOORS AIR, STRUCTURAL, WATER PERFORMANCE

Window Type	Size	Air Infiltration @ 1.57 PSF	Water PSF	Structural PSF	Structural Class	Florida Certification Number
Double-Hung	44 x 76	0.14	7.5	75	DP50	7533
Twin Double-Hung	89 x 76	0.15	7.5	75	DP50	7533
Picture	50 x 78	0.15	7.5	75	DP50	16426
Casement	36 x 62	0.17	7.5	75	DP50	11095
OX HD Sliding Door	96 x 96	0.12	7.50	75.0	DP50	17563
XX HD Sliding Door	96 x 96	0.02	7.50	75.0	DP50	17563
OXO HD Sliding Door	144 x 96	0.07	6.89	75.0	DP45	17563
OXO* HD Sliding Door	144 x 96	0.07	7.50	75.0	DP50	17563
OXXO HD Sliding Door	192 x 96	0.10	6.89	75.0	DP45	17563
OXXO* HD Sliding Door	192 x 96	0.10	7.50	75.0	DP50	17563

* with sill dam extender

STYLEGUARD WINDOWS AND DOORS THERMAL PERFORMANCE

To determine thermal performance ratings, enter product specifications in



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f: 478-744-6221
www.ykkap.com/residential

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