

# WinGuard®

ALUMINUM  
IMPACT



BUILT WITH CLEAR PURPOSE.

# Engineered for effortless protection.



Single Hung SH700A

**PGT** WinGuard<sup>®</sup>  
ALUMINUM

Single Hung SH700A



Horizontal Roller HR7710A



## Re-imagined to meet homeowners' unique styles.

### PGT® WINGUARD® ALUMINUM

At PGT® Custom Windows + Doors, we work tirelessly each day to create products that protect and support families beautifully. Relentlessly tested and accredited by the industry's most respected organizations, and proven in the face of Mother Nature, WinGuard® Aluminum products are built with the clear purpose of keeping your loved ones and home safe.

# The #1 brand of impact-resistant windows and doors in the nation.



## BEAUTIFULLY READY FOR ANYTHING.

PGT® WinGuard® Aluminum products are built to withstand some of life's most demanding situations. The heavy-duty window and door frames hold impact-resistant laminated glass — the primary barrier that continuously protects your home throughout major storms, deters break-ins from intruders, and safeguards your belongings from UV rays.

Beyond WinGuard® Aluminum's remarkable protection, America's favorite brand of impact-resistant products also helps you save time, energy, and money by eliminating the need for clunky and unsightly shutters that can take hours to install.



Preferred Sliding Glass Door SGD770



08

### PERFORMANCE

WinGuard® Aluminum offers a winning combination of strength and beauty.



10

### TESTING

We test our windows and doors relentlessly, so you can enjoy the view in safety and comfort.



12

### RE-IMAGINED PRODUCTS

WinGuard® remains the nation's #1 impact-resistant brand because we continuously look for ways to exceed your expectations.



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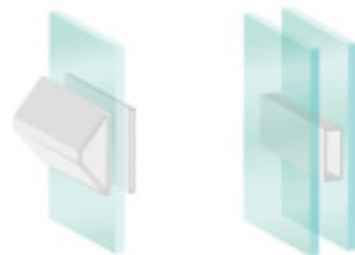
### CUSTOMIZATION

Your home is as unique as you are. Our windows and doors help reflect your personal style.



### 18 / GRID STYLES AND PATTERNS

WinGuard® Aluminum products are available with a variety of grid styles and patterns that complement any design requirements.





22 / PRODUCT STYLES

Single Hung. Horizontal Roller. Casement. Awning. Picture Window. Sliding Glass Door. French Door.

FOLLOW US



@pgtwindowsdoors

*“WinGuard® impact-resistant products have effortlessly protected families for more than 20 years. We’re proud to keep that tradition going.”*

—KEN VANDERBENT  
LEAD DESIGN ENGINEER



The Cover

**PREFERRED  
SLIDING GLASS  
DOOR**

Preferred Sliding Glass Door SGD770  
Photo features Lee Wetherington Homes.  
lwhomes.com



# Security through life's storms.

## EFFORTLESS HURRICANE PROTECTION™.

When severe weather strikes, time is your most important resource. With WinGuard® Aluminum products, there is no racing to install plywood or heavy shutters. Just lock the windows and doors, and put your mind at ease.

### SAFETY

Our impact-resistant windows and doors help save lives. They resist flying debris in hurricane conditions and deter opportunistic intruders. Even if the glass cracks during impact, it will remain secure in its frame, preventing outside elements like wind and water from infiltrating your home. Additionally, with our products installed, your home insurance premium may be reduced.





## SOUND REDUCTION

Weathering a storm is a stressful experience. And in a home covered in plywood or shutters, that stress can be amplified by the roar of the storm on top of complete darkness, should the power go out. Our windows not only minimize sound through a storm, but everyday noises, too — from honking cars to lawn mowers and more.

*“The wind gusts [during Hurricane Irma] reached 100 mph, trees were bent 45 degrees, and we didn’t hear a thing. It was like we were watching a thunderstorm on TV, and the TV was on mute.”*

—OGDEN DERRECK, CUSTOMER

## STRENGTH

PGT® WinGuard® Aluminum products feature [laminated glass](#) comprising two panes bonded together with a strong, clear [interlayer](#) for effortless impact resistance in a heavy-duty frame.

In a state-of-the-art testing lab, [we spend hundreds of hours](#) making sure each PGT® WinGuard® Aluminum window and door meets or exceeds the [International Building Code](#) for:

- Air infiltration
- Deglazing
- Structural integrity
- Water resistance
- [Forced-entry resistance](#)
- Small- and [large-missile](#) impact protection



Preferred Sliding Glass Door SGD770



Preferred Sliding Glass Door SGD770

T E S T I N G

# Windows and doors put to the test.

OVER FOUR MILLION UNITS INSTALLED WITH ZERO REPORTED IMPACT FAILURES.

Following the devastation of Hurricane Andrew in 1992, we collaborated with Florida building officials to develop stricter construction standards, resulting in the [Miami-Dade Notice of Acceptance](#) — the most stringent building code in the country.

All of our aluminum products have been issued a [Miami-Dade Notice of Acceptance \(NOA\)](#), and our product lines hold the most NOAs in the country.

All PGT® products are continuously validated by the industry's most respected, accredited organizations. WinGuard® Aluminum certifications, ratings, and testing include:

- [Miami-Dade Notice of Acceptance](#)
- [Florida Product Approval](#)
- [International Building Code](#)
- [ENERGY STAR®](#)
- [National Fenestration Rating Council \(NFRC\)](#)
- STC (Sound Transmission Class)

WinGuard® products can withstand repeated impact from a [9-lb. 2' x 4' beam traveling at 50 feet per second](#), followed by hurricane-force winds. Even if the glass is damaged, it remains securely in its frame, keeping the elements outside.

See the [Glossary of Terms](#) for more details on each of these certifications and testing protocols.

## WE STAND BEHIND OUR GLASS

WinGuard® Aluminum products are backed by some of the best warranties in the industry, including:

- A 10-year warranty on the frame and laminated glass unit
- Limited lifetime warranty on the insulating glass unit

We go through this testing for your peace of mind and ours. Our job is done only when you and your family are safe behind our products.



*“The eye of the storm came right over our house in Naples, and we felt completely safe. Our windows and doors held up perfectly.”*

—CASBARRO JOSEPH, CUSTOMER

# Re-engineered to be the very best.

## INTRODUCING THE LATEST FROM THE ENGINEERS AT PGT.

Our WinGuard® Aluminum Single Hung and Horizontal Roller windows have been re-imagined to achieve some of the largest sizes and highest design pressures in the industry. The contemporary frame profile, integrated locks, and equal glass sight lines are just some of the many new features.

### FEATURES

- Contemporary design that maximizes your view
- Withstands some of the toughest wind speeds that homes and businesses experience
- Among the largest sizes in the industry
- Stainless-steel assembly screws are now standard



## Single Hung (SH7700A)

### FLEXIBLE DESIGN

- Radius Top and ProView/Oriel

### EASY OPENING AND CLOSING

- Heavy-duty balance system

### LOW-PROFILE SWEEP LOCK

- Know immediately if the window is unlocked for an added level of security
- Maximizes the view

### REMOVABLE SASH DESIGN

- Clean the exterior part of the window more easily

### OPTIONAL HARDWARE

- Patented bottom lock with visual lock/unlock design
- Vent latch that allows fresh air to enter the room without opening the window completely
- [Window Opening Control Device](#) that delivers a deeper level of safety and security



## Horizontal Roller (HR7710A)

### FLEXIBLE DESIGN

- 2- and 3-lite configurations

### EASY OPENING AND CLOSING

- Tandem stainless-steel roller allows for finger-smooth operation

### LOW-PROFILE SWEEP LOCK

- Know immediately if the window is unlocked for an added level of security
- Maximizes the view

### REMOVABLE SASH DESIGN

- Clean the exterior part of the window more easily

### OPTIONAL HARDWARE

- Vent latch that allows fresh air to enter the room without opening the window completely
- [Window Opening Control Device](#) that delivers a deeper level of safety and security



Preferred Sliding Glass Door SGD770  
Picture Window PW720  
Single Hung SH7700A  
Photo features Lee Wetherington Homes.  
[lw homes.com](http://lw homes.com)

## C U S T O M I Z A T I O N



# The perfect fit for your home.

## CUSTOM PRODUCTS FOR YOUR EXACTING NEEDS.

Your style — and your home — is as unique as you. That's why we customize each of our products to fit your exact specifications. From product size and frame colors to style elements and glass performance, all WinGuard® products can be designed for a consistent look that reflects your home's personality.

### WINGUARD® ALUMINUM CUSTOMIZABLE OPTIONS INCLUDE:

- Sizes
- Flexible designs
- Frame colors
- Hardware finishes on sliding glass doors
- Glass tints
- Grid styles and patterns
- High-performance [Low-E](#)
- [Privacy glass](#)
- [Sea Turtle Protection Code](#) glass

See the [Glossary of Terms](#) for more details on some of the customizable options.

CUSTOMIZATION







# Built to fit your style.

## Standard Features

PGT® WinGuard® Aluminum products come standard with clear [laminated glass](#) and a white frame, ideal for new construction and remodeling projects. Operable windows also include a convenient mesh screen.

### STANDARD INTERIOR AND EXTERIOR FRAME COLOR



## Paint Finish

### POWDER-COATED

In addition to beauty and effortless protection, PGT WinGuard® Aluminum windows are equipped with a powder-coat paint finish that delivers exceptional benefits.

- Resists fading from exposure to natural elements
- Maintains excellent quality with thicker coatings and identical colors from batch to batch
- Withstands scratching and [corrosion](#) from heat, light, and moisture exposure
- Protects the environment with a 100% solvent-free finish that does not contain harsh or toxic metals

## Grid Styles



### RAISED / FLAT GRIDS

- 1" -wide raised muntin applied to exterior
- 1" -wide flat bar applied to interior

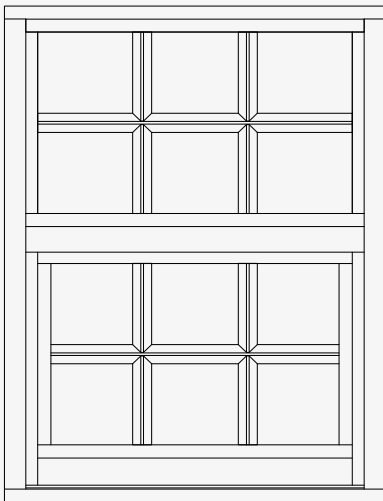


### FLAT GRID

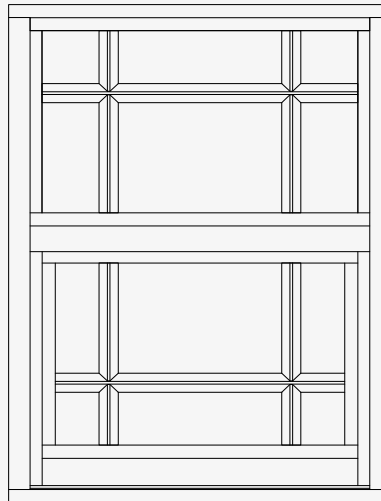
- 9/16" -wide flat grid between the glass

PGT® PRODUCTS COME WITH A VARIETY OF OPTIONS TO COMPLEMENT THE LOOK AND FEEL OF YOUR HOME.

## Grid Patterns



STANDARD





BRITTANY / PRAIRIE

## Premium Options

### GLASS

- Heat-strengthened glass
- [Laminated insulating glass](#)
- [Privacy glass](#)
- Popular glass tints
- High-performance [Low-E](#)
- [Argon gas](#)

### FRAME COLORS

-  Bronze
-  Clear Anodize

*Custom frame colors are also available.*

*See the [Glossary of Terms](#) for more details on some of these options.*

W I N D O W S

# Protect your home

DURING SOME OF LIFE'S  
MOST DEMANDING  
SITUATIONS.







Casement CA740

## W I N D O W S

## Casement (CA740)

**MODULAR DESIGN**

- Single unit hinged for opening either left or right
- Double unit hinged for opening: one left, one right
- Triple unit hinged for opening: one left, one right, fixed center unit
- Matching Awning and Fixed Lite Picture Window

**MULTI-POINT LOCKING SYSTEM**

- Provides added strength and security

**OPTIONAL WASHABLE HINGE**

- For easy cleaning from inside the home

**OPTIONAL FOLDAWAY HANDLE**

- Will not interfere with your window treatments

**CASEMENT**

## Awning (AW740)

**MODULAR DESIGN**

- Hinged along the top
- Individual vent units can be mulled vertically or horizontally for custom configurations
- Matching Casement and Fixed Lite Picture Window

**MULTI-POINT LOCKING SYSTEM**

- Provides added strength and security

**AWNING**



**PICTURE WINDOW**

## Fixed Lite Picture Window / Architectural (PW/AR7720A)

### FIXED (NON-OPERABLE) WINDOWS

- Often used as accent windows

### MAXIMIZES THE VIEW

- Fills the room with a substantial amount of light
- Serves as a standalone or companion window

### POPULAR FIXED LITE ARCHITECTURAL SHAPES



Half Circle



Eyebrow



Trapezoid



Arch



**CASEMENT PICTURE WINDOW**

## Fixed Lite Casement Picture Window (PW740)

### FIXED (NON-OPERABLE) WINDOWS

- Often used as accent windows

### MODULAR DESIGN

- Matching Casement and Awning

### MAXIMIZES THE VIEW

- Provides maximum amount of light
- Serves as a standalone or companion window





780

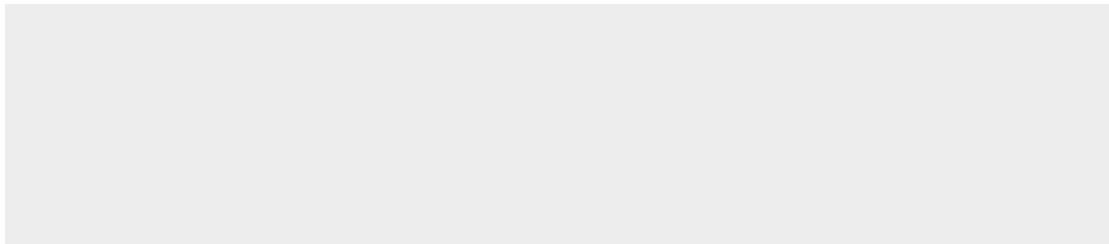


Picture Window PW720  
Single Hung SH7700A

Photo features Lee Wetherington Homes. [lw homes.com](http://lw homes.com)

D O O R S

Close the door  
on hurricanes,  
stray golf balls,  
and would-be  
intruders.





Preferred Sliding Glass Door SGD770  
Photo features Lee Wetherington Homes, [lw homes.com](http://lw homes.com)

## D O O R S

## Preferred Sliding Glass Door (SGD770)

### AWARD-WINNING DESIGN

- Crystal Achievement Award for Most Innovative Door

### EASY OPENING

- Smooth fingertip operation and whisper-quiet

### PANORAMIC VIEWS

- Uninterrupted opening and great source of natural light

### DUAL-POINT LOCKING SYSTEM

- Provides added security by restricting panels from being lifted off the tracks

### OPTIONAL ARCHITECTURAL ENHANCEMENTS

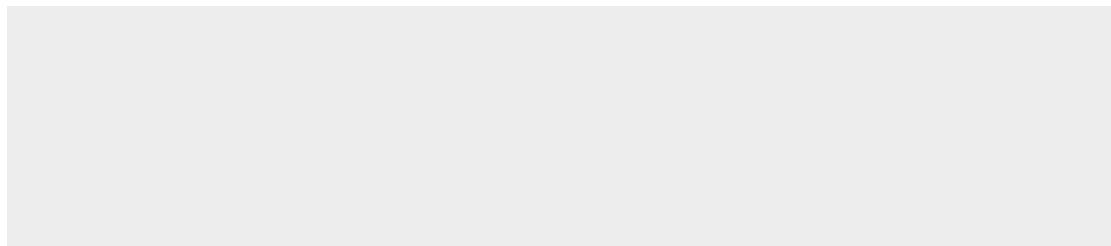
- Raised, curved, or contemporary handles

### OPTIONAL SCREENS

- Standard or heavy-duty box



**SLIDING GLASS  
DOOR**





**PREMIUM SLIDING  
GLASS DOOR**

## Premium Sliding Glass Door (SGD780)

### **EASY OPENING**

- Smooth fingertip operation and whisper-quiet

### **PANORAMIC VIEWS**

- Uninterrupted opening and great source of natural light

### **FRENCH-DOOR LOOK**

- Standard 4" bottom rail
- Optional 9" bottom rail

### **DUAL-POINT LOCKING SYSTEM**

- Provides added security by restricting panels from being lifted off the tracks

### **OPTIONAL ARCHITECTURAL ENHANCEMENTS**

- Curved or contemporary handles

### **OPTIONAL SCREENS**

- Standard or box screen
- Standard or heavy-duty box





Preferred French Door FD750



## D O O R S

## Essential French Door

### (FD101H)

#### EASY OPENING

- Heavy-duty hinge supports the weight of the door

#### MODULAR DESIGN

- Fill large openings with matching sidelites that provide additional light

#### CONCEALED 2-POINT LOCKING SYSTEM

- Provides added strength and security

#### PREPPED FOR INDUSTRY-STANDARD HARDWARE

- Accommodates an array of handle and deadbolt hardware



**ESSENTIAL FRENCH DOOR**

## Preferred French Door

### (FD750)

#### EASY OPENING

- Heavy-duty piano hinge supports the weight of the door

#### 3-POINT, STAINLESS-STEEL LOCKING SYSTEM

- Provides added strength and security

#### PREPPED FOR EUROPEAN-STYLE HARDWARE

- Accommodates the architectural design of any home

#### MODULAR DESIGN

- Fill large openings with matching sidelites that provide additional light



**PREFERRED FRENCH DOOR**

## GLOSSARY OF TERMS

**ARGON GAS:** A safe, odorless, colorless, non-toxic, non-flammable inert gas that is commonly used in place of air between the glass panes of an insulated Low-E glass unit to reduce temperature transfer.

**CORROSION-RESISTANT:** Refers to how well a substance can withstand damage caused by oxidization or other chemical reactions.

**DESIGN PRESSURE:** Wind load pressure, usually expressed in pounds per square foot (psf). Equal to 2/3 of the Structural Test Load.

**ENERGY STAR®:** An independent U.S. government program that establishes a standard set of guidelines to recognize the energy efficiency of various products. ENERGY STAR® guidelines are used in conjunction with a variety of building materials, including windows and patio doors.

**FLORIDA PRODUCT APPROVAL:** A series of tests performed by a State of Florida approved testing lab to ensure certain building components meet Florida standards.

**FORCED-ENTRY RESISTANCE:** The test methods intended to establish a measure of resistance for window assemblies subjected to attacks, other than by impact.

**IMPACT-RESISTANT:** Shatter-resistant glass. When the glass breaks, the shattered pieces will adhere to the intermediate shatterproof membrane.

**INSULATING GLASS:** Window panes separated by an air- or other gas-filled space to reduce heat transfer.

**INTERLAYER:** A shatterproof membrane sandwiched between two panes of glass.

**INTERNATIONAL BUILDING CODE:** A model building code developed by the International Code Council that has been adopted throughout most of the United States.

**LAMINATED GLASS:** Two panes of glass bonded together with a strong, clear interlayer.

**LAMINATED INSULATING GLASS:** Comprised of three panes of glass: two panes bonded together with a strong, clear interlayer and one pane for added insulation.

**LARGE-MISSILE IMPACT:** Test used on windows and doors in which a 9-lb 2' x 4' traveling at 50 ft. per second is propelled at a speed of 34 mph into test subject.

**LOW-E (EMISSIVITY) GLASS:** Glass with a transparent, metallic oxide coating applied onto or into a glass surface. The coating typically allows short-wave energy to pass through but reflects long-wave infrared energy, which improves the U-value.

**MIAMI-DADE NOTICE OF ACCEPTANCE:** Protocol for testing windows for impact by large or small missiles.

**NATIONAL FENESTRATION RATING COUNCIL (NFRC):** A non-profit organization that provides energy performance ratings on windows, doors, skylights, and attachment products.

**PRIVACY GLASS:** Glass that has been made translucent instead of transparent.

**SEA TURTLE PROTECTION CODE:** Protects sea turtles along the Florida coastline during nesting season by restricting the amount of light permitted through windows and doors.

**SOUND TRANSMISSION CLASS (STC):** An integer rating that provides an estimate of the sound insulation performance of an interior building partition (such as a window or door) between indoor spaces. The higher the number, the less sound is transmitted.

**TEMPERED GLASS:** Treated glass that is strengthened by reheating it to just below the melting point and then suddenly cooling it. When shattered, it breaks into small pieces. Approximately four times stronger than standard annealed glass; is required as safety glazing in patio doors, entrance doors, sidelites, and other hazardous locations. It cannot be recut after tempering (annealed: retains thermal stresses caused by quenching).

**ULTRA-VIOLET (UV):** The invisible rays of the spectrum that are outside of the visible spectrum at its short-wavelength violet end. Ultraviolet rays are found in everyday sunlight and can cause fading of paint finishes, carpets, and fabrics.

**WINDOW OPENING CONTROL DEVICE:** A device that limits the opening of a window sash to a predetermined position. The device includes a release mechanism that shall allow the sash to be fully opened and that automatically resets when a window is fully closed.



Preferred Sliding Glass Door SGD70  
Photo features Lee Wetherington Homes. [lw homes.com](http://lw homes.com)



INVENT. BUILD. DELIVER.

A collection of the best brands in windows and doors coming together to invent, build, and deliver the highest-quality and safest products in the fenestration industry.

THE PGT INNOVATIONS FAMILY OF BRANDS

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