WinGuard®

VINYL
IMPACT

PGT WinGuard® VINYL

BUILT WITH CLEAR PURPOSE.

Exceptional safety and energy efficiency.

Preferred Sliding Glass Door SGD5570

PGT WinGuard® VINYL

Single Hung SH5500

Picture Window PW5520 and Horizontal Roller HR5510

Designed to protect your family and your wallet.

PGT® WINGUARD® VINYL

All windows and doors can provide a view. But at PGT® Custom Windows + Doors, we believe in doing more. That's why our vinyl impact-resistant products protect against the fiercest storms and more while lowering your energy bills. It's also why, for more than 40 years, our purpose has been providing homeowners with custom windows and doors that fit their unique lifestyles.

When you choose PGT® Custom Windows + Doors, you're getting a product we trust in our own homes, so you can have complete peace of mind in yours. That's why we work every day with clear purpose.

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

PROTECTION FROM THE EVERYDAY AND THE ONCE IN A LIFETIME.

This product line's exceptional engineering offers peace of mind from storms, stray baseballs, sound pollution, UV rays, and would-be intruders. Heavy-duty frames hold impact-resistant glass, which acts as the primary line of defense against life's most demanding situations.

The top brand of impact-resistant products also saves you time and money. WinGuard® Vinyl's multi-chamber window and door frames reduce heat transmission and help keep your energy bills lower year round. Impact-resistant products also help reduce insurance premiums while increasing the overall value of your home. Plus, you can skip unsightly shutters or plywood that may take hours to install.

Picture Window PW5520 and Double Hung DH5560

PERFORMANCE

WinGuard® Vinyl offers a winning combination of strength, energy efficiency, and beauty.

TESTING

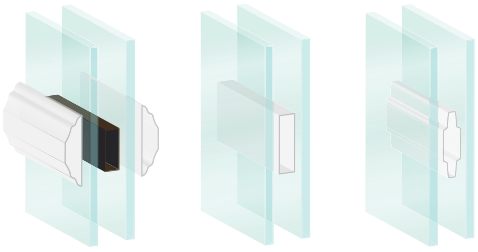
We test our windows and doors relentlessly, so you can enjoy the view in safety and comfort.

CUSTOMIZATION

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

WINGUARD® VINYL FEATURES

WinGuard® Vinyl products come with a full suite of standard features for built-in protection and energy efficiency.



19 / GRID STYLES AND PATTERNS

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

21 / PRODUCT STYLES

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

FOLLOW US

@pgtwindowsdoors

"The engineering advancements we've applied to our WinGuard® product line allow us to offer larger sizes and higher design pressures — as well as our most beautiful profile ever."

—KEN VANDERBENT
LEAD DESIGN ENGINEER

The Cover

PREFERED SLIDING GLASS DOORS

Preferred Sliding Glass Door SGD5570

Security through life's storms.

EFFORTLESS HURRICANE PROTECTION™

WHAT MAKES WINGUARD® SO STRONG?

When we talk about WinGuard® Vinyl's strength, we're referring to every component of the product. From the laminated impact-resistant glass and the energy-saving vinyl frame with our patented technology to the high design pressures these products can achieve. Strength is the central element of our design. For you, it means peace of mind, with protection from flying debris carried by hurricane-force winds. It means protecting your home from would-be intruders and damaging UV rays. And it means keeping outside noise where it belongs.

"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."

—DERRICK O., CUSTOMER

PGT® WINGUARD® VINYL MAKES ENERGY-EFFICIENCY POSSIBLE

Each impact-resistant window and door comes standard with laminated insulating glass—a total of three panes. Two panes are bonded together with a strong, clear interlayer, providing impact resistance. A third pane provides added insulation.

Each window and door also features multi-chambered, vinyl frames and warm-edge spacer technology, contributing to its energy efficiency.

Enjoy further benefits from WinGuard® Vinyl with options to achieve ENERGY STAR® ratings, including:

- High-performance Low-E to deflect solar heat gain and keep unwanted heat outside your home.
- Glass tints can help reduce heat transmitted through windows.
- Argon gas, which helps reflect outside heat to regulate the temperatures inside your home.

ENERGY STAR® products are independently certified to save energy without sacrificing features or functionality. In order to earn the label, PGT® WinGuard® products are third-party certified based on testing in EPA-recognized laboratories. See the Glossary of Terms for more details on Low-E certifications and testing protocols.

Preferred Sliding Glass Door SGD5570

TESTING

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, PGT® collaborated with Florida building officials to develop stricter construction standards, resulting in the Miami-Dade Notice of Acceptance (NOA) — the most stringent building code in the country. As the nation's authority on impact-resistant windows and doors, PGT® Custom Windows + Doors offers vinyl products that have all been issued a Miami-Dade NOA, certifying they meet the highest level of structural integrity. In fact, our company holds the most NOAs in the country.

All PGT® products are continuously tested, certified, approved, and rated by the industry's most respected, accredited organizations. WinGuard® Vinyl certifications, ratings, and testing include:

- Miami-Dade Notice of Acceptance
- AAMA Tested/Keystone Certified
- Florida Product Approval
- International Building Code
- ENERGY STAR®
- National Fenestration Rating Council® (NFRC)
- Texas Department of Insurance
- STC (Sound Transmission Class)
- OITC (Outdoor-Indoor Transmission Class)

See the Glossary of Terms for more details on each of these certifications and testing protocols.

Preferred Sliding Glass Door SGD5570

WinGuard® products can withstand repeated impact from a 9-lb. 2 x 4 beam traveling at 34 miles per hour, followed by hurricane-force winds. Even if the glass is damaged, it remains securely in its frame, keeping the elements outside.

Additionally, we have our own state-of-the-art testing lab, where we spend hundreds of hours analyzing and evaluating our products. WinGuard® Vinyl windows and doors are designed to meet or exceed the International Building Code standards for:

- Air infiltration
- Deglazing
- Structural integrity
- Residential intruder protection
- Water resistance
- Forced-entry resistance
- Small and large missile impact protection

We go through this testing, not only for your peace of mind but for ours as well. Our job is done only when you and your family are safe behind our products.

THIS SUPERIOR PERFORMANCE IS ALL BACKED BY ONE OF THE BEST WARRANTIES IN THE INDUSTRY.

WinGuard® Vinyl products include:

- Lifetime warranty on the frames
- Lifetime warranty on insulating glass component
- 10-year warranty on laminated glass component

Preferred Sliding Glass Door SGD5570 and
Fixed Lite Architectural Window AR5520

CUSTOMIZATION

The perfect fit for your home.

EVERY WINDOW AND DOOR FOR YOUR PROJECT.

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.

See the Glossary of Terms for more details on some of the customizable options..

WINGUARD® VINYL CUSTOMIZABLE OPTIONS INCLUDE:

- Sizes
- Flexible Designs
- Frame colors
- Hardware finishes
- Glass tints
- Grid styles, colors, and patterns
- High-performance Low-E
- Privacy glass
- Sea Turtle Protection Code glass option

Make it personal.

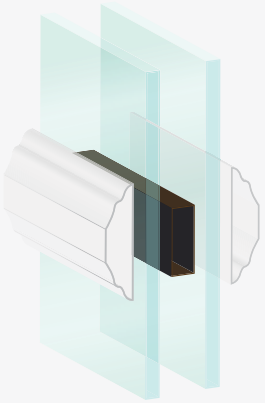
Standard Features

Adding unique value and energy efficiency to your project, WinGuard® Vinyl builds on the exceptional strength and impact-resistant benefits of the WinGuard® Aluminum line and incorporates the energy-efficient components of vinyl and laminated insulating glass. This line is ideal for new construction, remodeling, and replacement projects.

STANDARD INTERIOR AND EXTERIOR FRAME COLORS

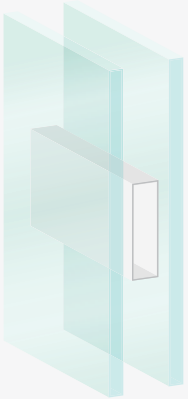
- White

Grid Styles



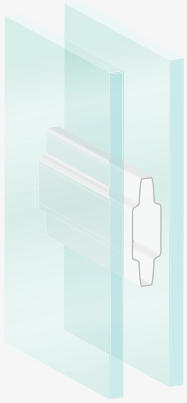
TRADITIONAL SIMULATED DIVIDED LITE GRIDS

- 7/8” wide raised ogee applied to exterior and interior with 9/16” wide bronze shadow bar between the glass



FLAT GRIDS

- 9/16" wide or 13/16" wide flat grids between the glass

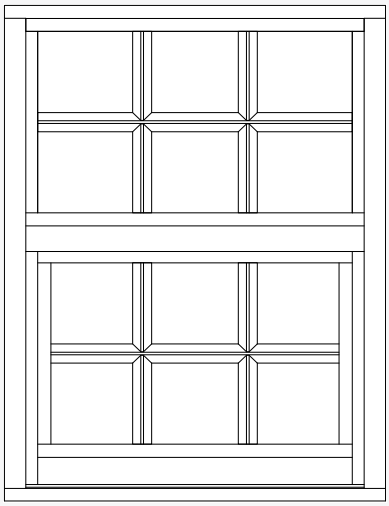


CONTOURED GRIDS

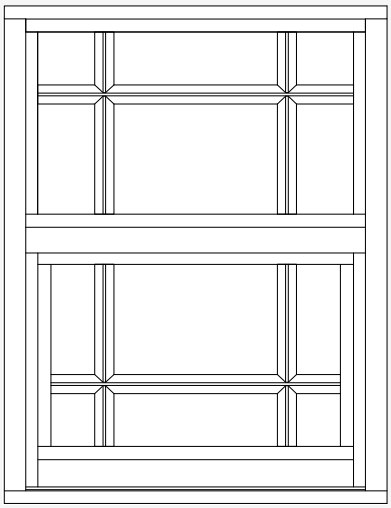
- 1" wide grid between the glass

EVERY PGT® PRODUCT COMES WITH ALL THE OPTIONS YOU NEED TO COMPLEMENT THE LOOK AND FEEL OF YOUR HOME.

Grid Patterns



STANDARD



BRITTANY / PRAIRIE

Premium Options

GLASS

- High-performance Low-E
- Heat-strengthened glass
- Privacy glass
- Popular glass tints
- Argon gas

FRAME COLORS*

- Bronze
- Black
- Beige

Custom frame colors are also available. See the Glossary of Terms for more details.

**Black is only available on the exterior for the Preferred French Door FD5555.*

Frame your views.

WITH SAFETY, BEAUTY, AND STRENGTH.

Preferred Sliding Glass Door SGD5570

Casement CA5540 and Picture Window PW5540

SINGLE HUNG

DOUBLE HUNG

Single Hung *(SH5500)* and Double Hung *(DH5560)*

FLEXIBLE DESIGN

- Radius Top and Arch Top
- Proview/Oriel, Cottage and custom configurations are also available

EASY OPENING AND CLOSING

- Various balance systems for large, small and heavy sashes ensures effortless operation
- Constant Force or Spiral balance system
- ComfortLift handles

REMOVABLE SASH DESIGN

- Clean the exterior part of the window more easily

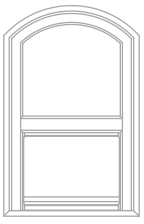
EXCEPTIONAL STRENGTH

- Welded sash corners create a strong seal
- SecureConnect corner keys ensure optimal performance on any-sized window
- Aluminum interlock enhances strength on larger sizes/design pressures

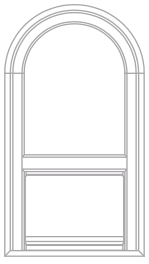
OPTIONAL HARDWARE

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

Single Hung SH5500 and Preferred French Door FD5555



Single Hung Radius Top with Equal Sash



Single Hung Arch Top with Proview/ Oriel Sash

Horizontal Roller *(HR5510)*

FLEXIBLE DESIGN

- 2- and 3-lite configurations

EASY OPENING AND CLOSING

- Ball bearing wheel allows for finger-smooth operation

REMOVABLE SASH DESIGN

- Clean the exterior part of the window more easily

EXCEPTIONAL STRENGTH

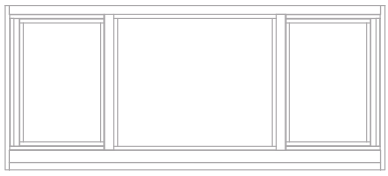
- Welded sash corners create a strong seal
- SecureConnect corner keys ensure optimal performance on any-sized window
- Aluminum interlock enhances strength on larger sizes/design pressures

OPTIONAL HARDWARE

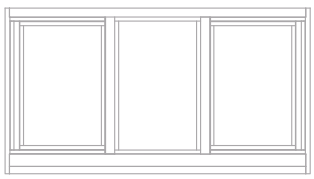
- Vent latch allows fresh air to enter the room without opening the window completely
- Window Opening Control Device delivers a deeper level of safety and security

HORIZONTAL ROLLER (2-LITE)

HORIZONTAL ROLLER (3-LITE)



Unequal Lite



Equal Lite

Horizontal Roller HR5510

Casement CA5540

WINDOWS

Casement *(CA5540)*

MODULAR DESIGN

- Single unit hinged for opening either left or right
- Matching Awning and Fixed Lite Picture Window

MULTI-POINT LOCKING SYSTEM

- Provides added strength and security

WASHABLE HINGE

- Allow for easy cleaning from inside your home

FOLDAWAY HANDLE

- Will not interfere with window treatments

EXCEPTIONAL STRENGTH

- TrueHold hinge ensures durable sash operation on larger windows

CASEMENT

Awning *(AW5540)*

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

FOLDAWAY HANDLE

- Will not interfere with window treatments

AWNING

PICTURE WINDOW

Fixed Lite Picture Window/Architectural *(PW/AR5520)*

FIXED (NON-OPERABLE) WINDOWS

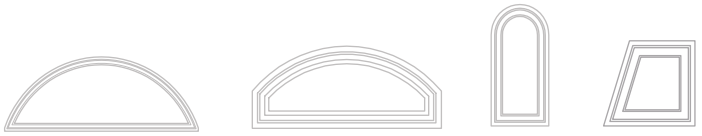
- Often used as accent windows

MAXIMIZES THE VIEW

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

MODULAR DESIGN

- Available in a variety of architectural shapes and sizes



Half Circle | Eyebrow | Arch | Trapezoid

CASEMENT PICTURE WINDOW

Fixed Lite Casement Picture Window/Architectural *(PW/AR5540)*

FIXED (NON-OPERABLE) WINDOWS

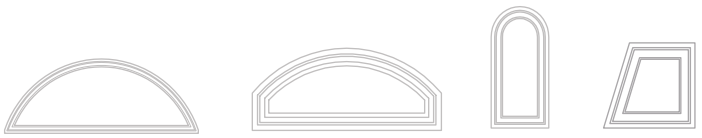
- Often used as accent windows

MAXIMIZES THE VIEW

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

MODULAR DESIGN

- Matching Casement and Awning
- Available in a variety of architectural shapes and sizes



Half Circle | Eyebrow | Arch | Trapezoid

Awning AW5540, Picture Window PW5540,
and Preferred Sliding Glass Door SGD5570

Preferred Sliding Glass Door SGD5570

DOORS

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

"My sliding glass door is like the door to a bank vault. I knew my family and all my belongings would be safe during the hurricane.

—DERRICK O., CUSTOMER

Preferred Sliding Glass Door SGD5570
and Picture Window PW5520

DOORS

Preferred Sliding Glass Door *(SGD5570)*

AWARD-WINNING DOOR

- #1 in Quality Patio Doors*

EASY OPENING

- Smooth fingertip operation and whisper-quiet

PANORAMIC VIEWS

- Uninterrupted views and a 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

PREFERRED SLIDING GLASS DOOR

STANDARD HARDWARE OPTIONS

Standard raised handle

PREMIUM HARDWARE OPTIONS

Contemporary handle

Curved handle

**2019 Builder Brand Use Report.*

PREFERRED FRENCH DOOR

Preferred French Door

(FD5555)

AWARD-WINNING DOOR

- #1 in Quality Patio Doors*

EASY OPENING

- Heavy-duty hinge supports the weight of the door

MULTI-POINT LOCKING SYSTEM

- Provides added strength and security

MODULAR DESIGN

- Fill large openings with matching sidelites and transoms that provide additional light

PREPPED FOR INDUSTRY-STANDARD HARDWARE

- Accommodates an array of handle and deadbolt hardware

STANDARD HARDWARE OPTIONS

Series 800 handle

Satin Nickel

Oil-rubbed Bronze

PREMIUM HARDWARE OPTIONS

Series 100 handle

Satin Nickel

Oil-rubbed Bronze

Contemporary handle

Satin Nickel

Oil-rubbed Bronze

**2019 Builder Brand Use Report.*

Preferred French Door FD5555

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.

MULTI-CHAMBERED FRAME: Frame member that has multiple core construction to provide strength and insulation.

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

OUTDOOR-INDOOR TRANSMISSION CLASS (OITC): An integer rating that provides an estimate of the sound insulation performance of a façade or building element (such as a window or door) between outdoor and indoor spaces. The higher the number, the less sound is transmitted.

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, side lights, and other hazardous locations. It cannot be recut after tempering (annealed: retains thermal stresses caused by quenching).

TEXAS DEPARTMENT OF INSURANCE (TDI): A governing organization in Texas that reviews window and door products and approves that such products are tested and certified in accordance with their policies.

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.

VINYL: A rigid or flexible material made of polyvinyl chloride material used in window and door frames and glazing.

WASHABLE HINGES: Track-type hinges on casement windows that, aside from normal operation, have the ability to slide towards frame center and allow for easy sash cleaning.

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.

Picture Window PW5540 and Casement CA5540

PGT INNOVATIONS

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

Impact Resistant Windows & Doors WE'RE STRONGER

PGT CUSTOM WINDOWS + DOORS

WINDOOR HIGH PERFORMANCE DOORS & WINDOWS

western window systems

ezel breeze EZE PORCH. EZE LIVING.

CGIC Architectural Products

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