AN ENGINEERING
BREAKTHROUGH!
VINYL WINDOWS & DOORS IN LARGER SIZES WITH HIGHER DESIGN PRESSURES

STRONGER. SMARTER. BETTER.

PGT EnergyVue®

VINYL NON-IMPACT PRODUCT LINE

"We engineer the kind of windows and doors we want in our own homes: beautiful and durable."
— Ken Vanderbent, Lead Design Engineer

Introducing PGT® EnergyVue®, an all-new line of vinyl products with clean profiles and modern frames surrounding insulating glass. Beautiful, yet strong, EnergyVue products are engineered to provide large sizes that achieve high design pressures and meet some of the most stringent energy-saving requirements. This line allows you to go big and enjoy expansive views, along with smaller heating and cooling bills. For style, size, strength and energy efficiency—without compromise—the smart choice is EnergyVue.

This is one product line that fits every need, so there's no reason to mix and match. You can have the same great look and same robust construction throughout your home, in every frame small to large. It's just the latest breakthrough from the PGT design team, which is one of the largest and best teams in the industry. A team committed to the same high standards that span our manufacturing floor, that ride in our delivery trucks, and that continue on-site and off with unsurpassed service and support.

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SEE WHAT'S INSIDE



PERFORMANCE

CUSTOM WINDOWS + DOORS

PGT® EnergyVue® Vinyl: Engineered for energy & design

PGT EnergyVue is taking vinyl windows and doors to a new level. Into larger openings where higher design pressures once made them unthinkable. The PGT® design team has created a product line that's not only strong enough to withstand these design pressures, but is also beautiful. And energy-efficient.

PGT EnergyVue Vinyl windows and doors feature:

- Energy-efficient insulating glass and multi-chambered frames that meet ENERGY STAR® standards to help save on energy costs.
- A refined profile combined with robust construction to achieve larger sizes and withstand higher design pressures.
- One of the industry's largest selections of frame colors and a variety of hardware finishes, glass tints, grid styles and patterns to complement any home's architectural style.



COMMITMENT

Quality products from a dedicated team

PGT® thinks differently. In 1980, when PGT was a small, family business, we promised our customers three things: quality products, on-time delivery and excellent service. By keeping that promise for more than 35 years, we are now a company with more than 2,000 employees, listed on the NYSE, operating out of 700,000 square feet of manufacturing and glass production facilities. Thinking the way we do – about design, manufacturing, delivery and service – obviously works.

- **Glass Production:** PGT is the only window and door manufacturer in the region to manage its own glass tempering, laminating and insulating processes. Having control over the production process for specialized glass helps us keep costs low and quality high.
- **Manufacturing & Delivery:** Our products are made with the finest materials and subjected to the most rigorous tests. You can be confident of quality – and confident of fast, accurate delivery. PGT has its own fleet of trucks and one of the highest on-time delivery ratings in the industry.
- **Service:** Our promise of excellent service is upheld by a friendly, knowledgeable customer service team. These representatives are the best of the best, hand-picked to be the voice of PGT before, during and after the sale.

PGT CUSTOM WINDOWS + DOORS

The PGT team oversees each step of the glass production process and tests finished batches multiple times per day to ensure the final product meets the highest standards of quality.



TESTING

Windows & doors that pass with flying colors

You can be confident in our engineering. PGT® windows and doors are continuously tested and validated by the industry's most-respected accredited organizations. The certifications we earn are your assurance that our products will perform as expected.

PGT® EnergyVue® Vinyl product 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)
- Manufactured Housing (AAMA 1701)

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

Taking testing to another level

PGT has its own state-of-the-art testing lab, where we spend hundreds of hours analyzing and evaluating our products. Consider it extra assurance that the windows and doors you buy will deliver optimal performance for years to come.

PGT EnergyVue Vinyl windows and doors are designed to meet or exceed the International Building Code for:

- Air infiltration
- Water resistance
- Deglazing
- Forced-entry resistance
- Structural integrity

PGT CUSTOM WINDOWS + DOORS

MIAMI-DADE COUNTY APPROVED

AAMA Proud Member

NFRC National Fenestration Rating Council®

Energy Star WE SELL ENERGY STAR



INNOVATION

Your view, expanded

The breakthrough design of PGT® EnergyVue® Vinyl products results in a stronger frame, so we can build windows in larger sizes. With higher design pressures. That means you don't need to mix and match product lines for your windows and doors. You can have the same, gorgeous EnergyVue look in every opening throughout your home.

Your energy bill, contracted

PGT EnergyVue Vinyl windows and doors also provide outstanding energy efficiency that shrinks heating and cooling bills. And there are options you can choose to achieve ENERGY STAR® ratings to reduce those bills even further.

PGT EnergyVue Vinyl windows and doors come standard with:

- Insulating glass
- Multi-chambered, vinyl frames
- EnergyShield Low-E
- Warm-edge spacer technology

And offer the following energy-saving options:

- **High-performance EnergyShield Max Low-E** to deflect solar heat gain and keep unwanted heat outside your home.
- **Glass tints** that are effective at reducing heat transmitted through windows.
- **Argon gas** which helps reflect outside heat to regulate the temperatures inside your home.

PGT CUSTOM WINDOWS + DOORS

ENERGY STAR® is a U.S. Environmental Protection Agency (EPA) voluntary program that helps businesses and individuals save money and protect our climate through superior energy efficiency.



CUSTOMIZATION

CUSTOM WINDOWS + DOORS

Made to your specifications

No two projects are alike. That's why we customize every product to match your needs—to fit the exact specifications of your home. And no matter the size of the project, all PGT® products meet our strict standards of quality. Because your satisfaction is our top priority.

PGT® EnergyVue® Vinyl products are available with a variety of custom choices including:

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



BENEFITS

Beautiful windows are just the beginning

PGT® EnergyVue® Vinyl windows and doors enhance the aesthetic appeal of your home – and the benefits don't stop there. These products:

- Will never rot, warp, splinter, or need painting
- Will not absorb moisture
- Are formulated to withstand the harshest conditions
- Are low-maintenance and easy to clean
- Protect against temperature transfer

Your investment, protected

PGT® has a reputation for keeping promises. We're known for delivering when we say we will. We're known for products that do what we say they will. So it should come as no surprise that we also back our products with one of the best warranties in the industry.

PGT EnergyVue Vinyl products include:

- Lifetime warranty on the frames
- Limited lifetime warranty on insulating glass component



ENERGYVUE® FEATURES



Insulating Glass

A glass makeup that features two panes of glass separated by either air or argon gas to reduce heat transfer.

SecureConnect Technology

PGT's patented SecureConnect technology integrates proprietary-designed corner keys into the sash of each window. This design system ensures the integrity and performance of every window no matter how large or small.

ComfortLift Handles

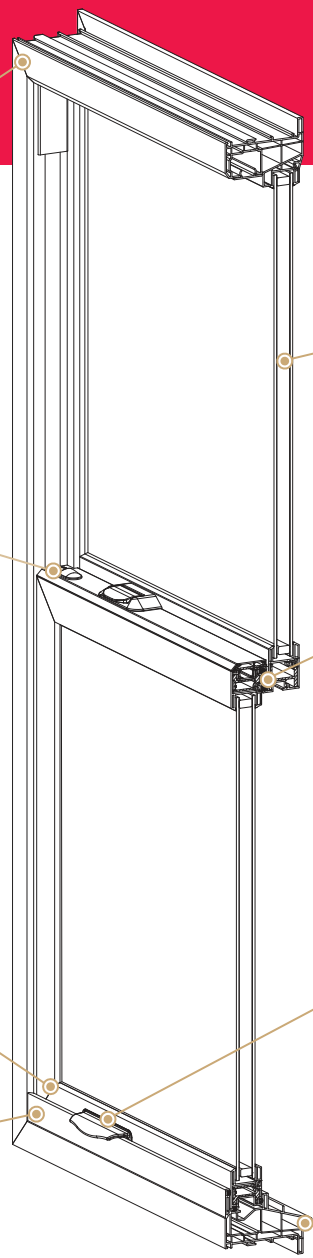
PGT's ComfortLift handle provides fingertip operation when opening or closing the windows.

TrueHold Hinge

PGT's TrueHold hinge ensures that your Casement window, no matter how large, will maintain its smooth, effortless operation for years to come.

Aluminum Interlock

An integrated aluminum design feature that provides added strength and allows for larger sizes with higher design pressures.



Welded Frame Corners



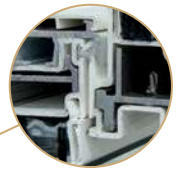
Exterior Glazed Insulating Glass



Tilt Latch SecureConnect Technology



Aluminum Interlock



Welded Sash Corners



ComfortLift Handles



Pivot Bar SecureConnect Technology



Multi-Chamber Frame



PRODUCT OPTION BUNDLES

PGT® now offers some of our most-popular options bundled together to save you money. Choose the bundle that best fits your needs and you will receive an Accidental Glass Breakage Warranty at no extra cost—a warranty ONLY available with our product bundle options.

Energy Performance Package

Purchase:

- EnergyShield Max
- Argon Gas
- SuperSpacer® nXt™

Receive:

- Accidental Glass Breakage Warranty FREE

Sound & Security Package

Purchase:

- Argon Gas
- SuperSpacer® nXt™
- Window Opening Control Device (where applicable)
- Sash Lift Rail (where applicable)
- Architectural Hardware Finish

Receive:

- Accidental Glass Breakage Warranty FREE

Coastal Package (Casement & Awning)

Purchase:

- Standard Tint Glass
- Argon Gas
- SuperSpacer® nXt™
- Stainless Steel Package
- Architectural Hardware Finish

Contact your PGT dealer for a quote

DISCONTINUED

The Accidental Glass Breakage Warranty is only available with the Energy Performance Package and Sound & Security Package. To take advantage of this Warranty, you must purchase everything in the bundle, no substitutions are allowed and your bundle selection must be specified at the time of purchase.

Purchase PGT's Energy Performance Package or Sound & Security Package to receive a FREE Accidental Glass Breakage Warranty.

Accidental Glass Breakage Warranty Details

- Coverage up to 3 years
- One-time only glass replacement
- Available to the original single-family homeowner
- Must reside in the home
- Must show proof of purchase when submitting a claim
- Must register warranty
- Non-transferable

Covers:

- Replacement glass only
- Delivery of replacement glass to the original dealer or closest PGT dealer

Excludes:

- Costs incurred in the removal or reinstallation of replacement glass
- Damage caused by events including but not limited to acts of God and hurricanes
- Product installed in non-owner or multi-family occupied dwellings
- Product installed in commercial locations such as schools

Eligibility:

- Coverage requires registration to be completed by original homeowner with installation address listed for verification of future claims
- Registration must be submitted within 30 days of installation along with proof of purchase
- Registration must include product identification number found on product

For complete warranty details, contact your PGT dealer or call PGT Consumer Affairs at (800) 282-6019.

PRODUCT OPTIONS

CUSTOM WINDOWS + DOORS

Grid Styles

Flat Grid

- 9/16" wide or 13/16" wide
- Grid between the glass

Contour Grid

- 1" wide
- Grid between the glass



Traditional Simulated Divided Lite

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

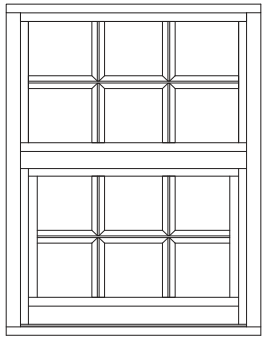
Standard Features

PGT® EnergyVue® windows and doors come standard with white frames and clear, insulating glass with EnergyShield Low-E. EnergyVue door glass is also tempered for additional safety, and operable windows include a screen with 1816 mesh. All EnergyVue products are ideal for new construction and remodeling projects.

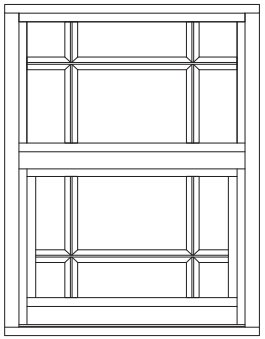
Standard Interior & Exterior Frame Colors

- White

Grid Patterns



Standard



Brittany/Prairie

Premium Options

Glass

- Tempered glass (for windows)
- Privacy glass
  - Obscure (textured)
  - White Interlayer (opaque interlayer)
- Popular glass tints
- Hi-performance Low-E
  - EnergyShield Max
- Argon gas

Exterior Frame Colors

- Beige
- Bronze
- Anodize*
- Pebble Khaki*
- Hunter Green*
- Brick Red*

* Available with limited interior colors

Interior Frame Colors

- Beige
- Bronze
- Natural Oak
- Dark Oak
- Natural Cherry

WINDOWS



Single Hung



Double Hung

Single Hung (SH5400) and Double Hung (DH5460)

Constant force balance system

- Provides smooth, easy opening and closing

Spiral balance system

- Standard feature on larger window sizes ensures ease of sash operation
- Optional upgrade on any window size provides additional ease of sash operation

SecureConnect integrated corner keys

- For added sash strength

Tilt sash design

- For easy exterior cleaning

Embedded tilt latch

- For added strength in holding sash into frame
- Presents cleaner sight lines

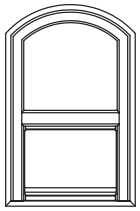
Stylish ComfortLift handles

- Allows ease of operation & option to add style by selecting hardware finish
- Optional lift rail for alternative opening method

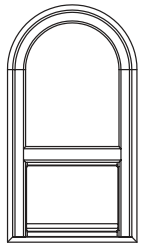
Beveled meeting rail

- Enhances visual appeal of profile

Configuration Options



Single Hung
Radius Top
with Equal Sash



Single Hung
Arch Top
with Proview/Oriel Sash

Cottage & custom sash configurations available

Horizontal Roller (HR5410)

Available in 2- and 3-lite configurations

SecureConnect integrated corner keys with wheel housing

- For added sash stability and strength
- Provides smooth, durable operation

Ball bearing wheel

- Provides smooth, durable operation and allows for larger sash sizes

SecureConnect integrated corner keys at lock rail

- Includes weather strip to prevent air infiltration

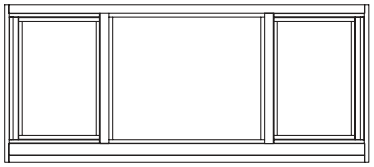
Removable sash design

- For easy exterior cleaning

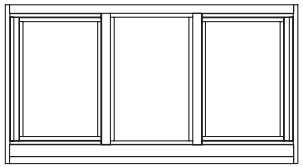
Concealed egress option

- Meets egress requirement of 1 operation to unlock window
- Sleek proprietary design and innovative operation

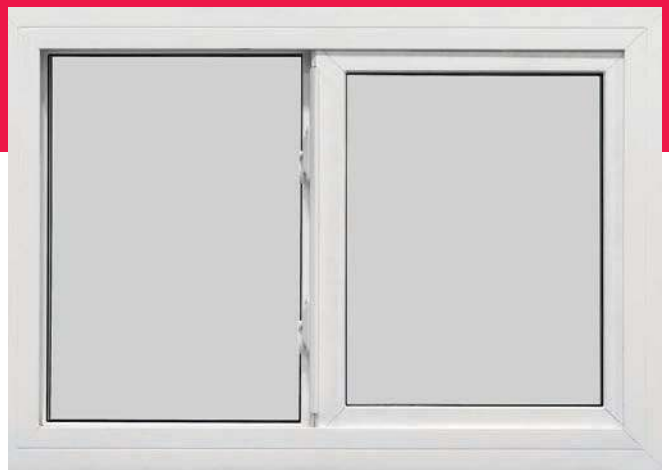
Configuration Options



Unequal Lite



Equal Lite



Horizontal Roller (2-Lite)



Horizontal Roller XOX (3-Lite)

WINDOWS



Casement

Casement (CA5440)

Available in single vent or custom units

- Hinged for opening either left or right

Multi-point locking system

- Provides added strength and security

Washable hinge

- Standard option for easy cleaning from inside the home

Egress hinge option

- Optional upgrade that meets egress requirement of 1 operation to unlock window

Nesting handle

- Will not interfere with your window treatments

TrueHold heavy-duty hinge

- Standard feature on larger window sizes ensures durability of sash operation
- Optional upgrade on standard window sizes provides additional durability of sash operation



Awning

Awning (AW5440)

Available in single vent or custom units

Multi-point locking system

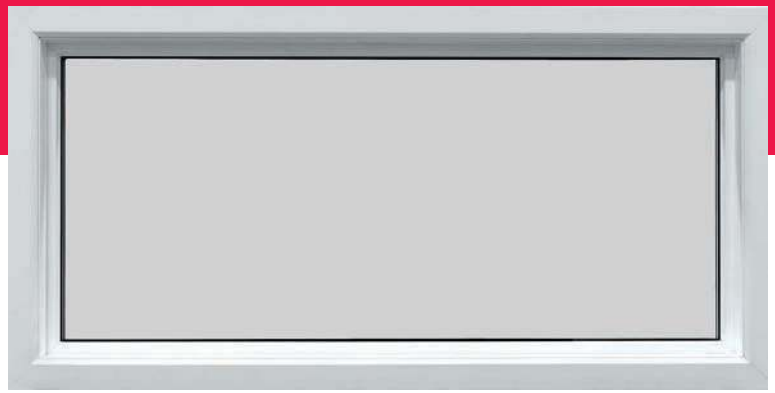
- Provides added strength and security

Washable hinge

- Standard option for easy cleaning from inside the home

Nesting handle

- Will not interfere with your window treatments



Picture Window

Picture Window / Fixed Lite Architectural (PW/AR5420)

Available in a variety of shapes & sizes

- Provides maximum amount of light
- Can serve as standalone or companion window
- 25 standard shapes or custom shapes available



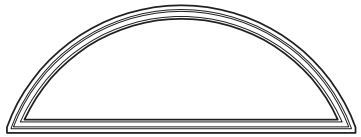
Casement Picture Window

Casement Picture Window / Fixed Lite Architectural (PW/AR5440)

Available in a variety of shapes & sizes

- Provides maximum amount of light
- Can serve as standalone or companion window
- To be used in conjunction with the Casement or Awning window for matching sight lines
- 25 standard shapes or custom shapes available

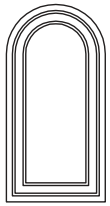
Popular Fixed Lite Architectural Shapes



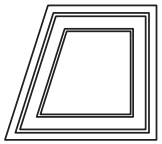
Half Circle



Eyebrow



Arch



Trapezoid

DOORS



Sliding Glass Door

Sliding Glass Door (SGD5470)

Crystal Achievement Award-winning design

- *"Most Innovative Door"*

Expansions of up to 40 feet

- Amazing, uninterrupted views and a great source of natural light

Panels up to 4' x 10' or 5' x 8'

- Sizes available for every opening

By-pass or pocket and 90° or 135° corner door configurations

- Customizable with multiple tracks to accommodate 1 to 8 panels

Dual-point locking mechanism

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

Heavy-duty tandem rollers

- Allow easy opening with just your fingertips

Hidden installation and assembly screws

- Deliver a sleek, finished appearance

Raised pull handles or recessed pulls available

High performance options

- Available to meet all your design pressure needs

French Door (FD5455)

Mechanically fastened corners

- For added strength & durability

Traditional panel joinery

- Enjoy the aesthetics and charm of a traditional wood door without the maintenance

Multi-point locking system

- Creates built-in anti-lift device to provide enhanced strength and security

Stainless steel hinges

- Corrosion-resistant and provide smooth door operation

Conventional 4-9/16" frame depth

- Fits easily into openings without costly modifications

Solid cellular vinyl material

- Sounds and feels like solid wood



French Door

Glossary of Terms

American Architectural Manufacturers Association (AAMA): A national trade association that establishes voluntary standards for the window, door, storefront, curtain wall, and skylight industries.

AAMA 1701: A performance standard that sets the requirement for primary windows and sliding glass doors used in manufactured housing.

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.

Balance: A mechanical device used in hung windows to offset the weight of the sash.

Box screen: A heavy-duty sliding glass door screen frame that simulates the actual glass panels. It is typically similar in size and shape to the glass door panels.

Corrosion-resistant: Refers to how well a substance can withstand damage caused by oxidization or other chemical reactions.

Deglazing: An effect of severe weather on windows, where the silicone glazing bead separates from the window pane, thus reducing the window's ability to restrict water from entering the structure and decreasing the strength of the overall window.

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

Egress hinge: A hinge on the casement window that pivots closer to the corner and creates a greater clear opening.

ENERGY STAR®: An independent U.S. government program establishing 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 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 9lb 2x4 traveling at 50ft per second is propelled at a speed of 34 mph into test subject.

Lite: An area of visible light, framed by either a window or door's primary extrusions or by muntins.

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.

Multiple chambered frame: Frame member which has multiple core construction to provide strength and insulation.

National Fenestration Rating Council (NFRC): A non-profit organization which provides energy performance ratings on windows, doors, skylights, and attachment products.

Obscure glass: Glass that has been made translucent instead of transparent.

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.

Pocket door: Sliding glass door that, when opened, slides clear of the opening.

Prep: Used in reference to holes that get bored or punched on a door.

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.

Super Spacer® nXt™: An insulating, all-foam, dual-seal, warm-edge spacer that separates the two panes of glass in an insulating glass unit and seals the gas space between them.

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.

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 poly vinyl chloride material used in window and door frames and glazing.

Warm-edge spacer: An insulating spacer that separates the two panes of glass in an insulating glass unit and seals the gas space between them.

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.

A TRADITION OF EXCEPTIONAL PRODUCTS, RELIABILITY, AND SERVICE

Founded in 1980, PGT® pioneered the U.S. impact-resistant window and door segment, growing from just four employees to approximately 2,000 at its manufacturing facility in Venice, Florida.

Today, PGT offers a total of nine different high quality window and door lines.

Hurricane protection, security against intruders, noise reduction, UV filtering, energy efficiency, affordability, and style are some of the most notable benefits that PGT's products have to offer.

When you choose PGT products for your home or business, you can always expect top design, improved energy efficiency and extraordinary strength for the life of your investment.

You can have the confidence that PGT will not just meet, but exceed your expectations.

PGT®

CUSTOM WINDOWS + DOORS

CUSTOM WINDOWS + DOORS

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