



P&G **SpectraGuard™**

VINYL REPLACEMENT WINDOWS



READY TO REPLACE YOUR WINDOWS?

Replacing your windows is one of the best improvements you can make to your home. Do you know why?

Windows give your home a face lift and add value at the same time. They make your house more secure, more energy efficient, easier to care for, and more visually appealing. They influence the environment in the home, its style and comfort, light and temperature. They can even protect the safety of your greatest treasures – you, your family, and countless valuable possessions – from harmful intruders and bone-chilling drafts. Even your wallet gets protected from the rising cost of energy.

tips on the replacement process

Research window and door types and performance to select the best window and door solution for you and your living environment. A good place to start is [pgtspectranguard.com](https://www.pgtspectranguard.com)

Obtain an estimate.

Ask for references, and check them.

Quality, design, and the reputation of the manufacturer are all attributes of replacement windows to consider when weighing your options.

Measurable and Immeasurable Benefits

By making your home look and feel young again, replacement windows will add value to the home, just like a new kitchen, bathroom, a coat of paint, and other major home improvement projects. With new technologies, research, and design, windows are built much better than they were 10 or 20 years ago, and they perform better as well. The difference between single panes and today’s double pane with Low-E coatings alone is enormous. Get ready for praise from friends and family when they experience the new look and feel of your beautiful, temperature controlled, and draft free home. Don’t be surprised if you find yourself saying “Your place or mine?” a lot less often. Without question, it’ll be yours.

Is it Time to Replace Your Home’s Windows?

Signs that replacement windows are needed:

- Inoperable or difficult to operate windows
- Faded upholstery, carpets, and draperies
- Hot or cold spots indicating windows are not insulating properly
- Drafts or excessive condensation on the inside of the window
- Warped, corroded or rotting frames
- Bent, leaky sashes
- Missing or broken hardware
- High energy bills

Start Right. Get Educated.

Consider quality as an investment in the beauty and comfort of your living space. To help you make an intelligent, informed decision when choosing new windows we’ve compiled a glossary of terms you may want to know. You’ll find them at pgtindustries.com by clicking on the *Tips & Resources* button at the top of the page.

Important Information about PGT®

PGT works with reputable dealers and distributors who use licensed contractors and installers. You can find out more information on our website. Click on the *Where to Buy* button at the top of the page.

Our Warranty

Reliability. That’s what we’re known for. Our company has a history of backing our product and taking care of our customers. PGT gives you absolute peace of mind that our products perform as designed. Our warranty assures you of that.



Before



After

	<p>Make certain product performance meets the requirements for your area.</p>	<p>Make sure a permit is pulled, if required.</p>
<p>Make sure your contractor is licensed. Obtain the contractor’s license number and verify licensure at your state’s official website.</p>	<p>Read the product warranty carefully so that you understand exactly what is covered and for how long.</p>	

**HAVE YOU CONSIDERED
ENERGY-EFFICIENT VINYL WINDOWS?**



Vinyl will not swell or warp like wood. Even children's crayon marks come off quickly. Choosing vinyl means low maintenance, energy saving, aesthetically pleasing windows. It means choosing enhanced comfort, and that will allow you to make any and every room of your home a "family" room.

Excellent Insulating Attributes

Inside your home you will not be able to tell if it's snowing or hot outside. Windows with vinyl frames have excellent insulating attributes. Vinyl does not conduct heat or cold easily, and the multi-chambered design of vinyl frames adds insulating value.

Better Energy Efficiency and Savings

Savings you can see and buy a new sofa with. Energy companies will be collecting less from you. Weatherproof vinyl with insulating glass improves energy-efficiency by protecting the air inside your home, whether heated or cooled, thus reducing the work of your home's heating/cooling system. Options such as Low-E coatings, tints, and inert argon gas can also add to the energy efficiency of vinyl windows. Plus, more people are gravitating towards "green" living and you can factor this into your future home value. Clear, simple and profitable.

Lower Maintenance

Windows made of vinyl require little maintenance in comparison to wood. Actually, aside from washing your windows, there is really no maintenance required. Wood will eventually corrode/warp/rot/deteriorate and need to be replaced. Vinyl, however, is resistant to weathering and will maintain its finish even after years of exposure to the elements. Because the color goes all the way through vinyl, dings and scratches are less noticeable. It will never need repainting, saving you money.

Less Expensive than Wood

You'll save money on painting; wood needs to be repainted, vinyl doesn't. You'll save money on maintenance; wood needs to be replaced after prolonged exposure to the elements, vinyl doesn't. You'll also save money because vinyl is a lot less expensive than wood to begin with. Among other things, vinyl allows trees to remain trees.

The Smart Choice

When it comes to replacement windows, it's hard to beat the benefits of energy-efficient vinyl windows. They are cost efficient, and you won't have to worry about another replacement job for a long, long time. All vinyl windows are not created equal. Read on, and we'll tell you why.





STRENGTH

STRONG ENOUGH TO MEET THE HIGHEST STANDARDS. And exceed them.

If you own a home, you have a natural desire to protect it and what is inside, whether it is a prized collection of LPs, or princesses nestled in their beds. For you and your family, PGT® offers windows that not only comply with the stringent requirements for safety and security certification; they exceed them. We accomplish this through details, from start to finish, engineering to manufacturing.

Having our own glass operations allows PGT to temper, laminate and create our own insulating glass on site with exacting specifications and standards. Managed with precision and control, the process is as impressive as our windows. Our state-of-the-art factory has even been featured on one of the most respected home improvement shows on television. PGT windows are available with laminated, double-strength glass, quadrupling the work of a would-be burglar or misdirected football. All SpectraGuard™ windows meet DP 50, design pressure ratings of 50 pounds per square foot from the outside and inside, an assurance that our windows will hold up under storm conditions. Before we even release our products, Code Compliance engineers look at all aspects of the product to make sure they comply with codes and will perform.

PGT offers the windows you need to protect the people and things you care about.



**THE BEST CHOICE IS
PGT® SPECTRAGUARD™**

In a world full of choices, PGT is Visibly Better®. Yes, you can actually see the difference. PGT has a 28-year history of superior customer service, outstanding quality and innovative products. We owe it to our customers, their homes, their pets, their kids, and our employees. All of our products reflect the latest developments in design, materials and technologies. We are also the leader in residential, impact-resistant windows and doors. Our products, whether for new construction or replacement, complement the design integrity of the best homes and high-rises. Our 99% on-time delivery record makes us more endearing, and we have the thank you notes to prove it.

The Energy Efficient Advantage: Fuel for Thought

The standards that PGT® SpectraGuard™ windows come with are truly above standard.

All PGT windows in this line come standard with:

- Double-pane, double strength, high performance insulating glass
- Double or triple soft coat Low-E
- Argon gas sealed between the inner and outer panes
- And a new generation of glass insulating technology, **Super Spacer® NXT**

This combination of elements – included with your windows for no extra charge – makes PGT SpectraGuard windows among the most efficient replacement windows you will find. **Super Spacer® NXT** is a cutting edge advancement that goes far beyond conventional systems by using an insulating, foam spacer that delivers true warm edge technology. Super Spacer offers the ultimate in thermal performance and condensation reduction. Our weatherstripping is custom designed for the highest air, water and energy numbers in the industry. Even our heavy, multi-chambered frames are welded and aligned to prevent air leakage, contributing to energy performance.

For added savings, we offer **Climate Control packages** to further enhance the energy performance of PGT SpectraGuard. We select the best Low-E glass product for your energy zone and position it to ensure that maximum efficiency is achieved. Our engineers work hand in hand with our designers so that all PGT SpectraGuard products are energy-efficient and earn the ENERGY STAR® seal.

As an example, we position our Low-E coatings to raise the Solar Heat Gain Coefficient (SHGC) or lower it to keep a home warmer or cooler depending on the climate. SHGC is the fraction of solar heat that successfully passes through a window. So, in Northern regions, where heating costs dominate, we utilize the coatings to maximize the amount of heat transmitted from the sun. In Southern regions, the coatings keep the heat out and cooling costs down. We achieve this while ensuring that the amount of heat that escapes from the inside as rated by the U-factor, will remain unchanged. Essentially, you're getting free heat.


The glass coatings we use for our Climate Control packages are **Solarban® 60 Low-E** double soft coat or **Solarban® 70XL Low-E** triple soft coat. Both allow you to customize your windows without sacrificing energy performance. By design, these coatings reflect heating or cooling back in to your home, by working in concert with nature to block cold air or welcome free heat from the sun. Regardless of your situation or regional weather, we have a Climate Control package to meet your needs.



BEFORE



AFTER



Super Spacer® NXT technology significantly reduces window condensation that leads to mold growth.

Other spacers do not.

INNOVATION

INNOVATION THAT MATTERS. As a matter of fact.

We're known for our innovation. We do things differently. We do things better. At PGT®, innovation means better-looking design, more energy-efficient windows and the strengthened integrity of your whole home. In our vinyl windows, double strength glass and the revolutionary Super Spacer® NXT are standard. The air space is filled with argon gas, a poor thermal conductor that slows the passage of heat through the windows. It's all about improving the energy performance. We're not so bad in the looks department either. We make innovative use of aesthetic design elements, including contour grids and simulated divided lites, that uncannily capture the appearance of true divided lites. The result: a window that performs and looks better than other vinyl windows in its class. We're dedicated to continuous innovation. Special glazings, lamination and interlayers are just some of the signature modifications that we improve as technology does. Looks, strength, brains, and environmental consciousness. You can have it all.



We provide effortless protection and unsurpassed beauty.

Glass, Sashes, & Locks

PGT® SpectraGuard™ protects your home 24/7/365 from high winds and intruders. First of all, our windows come standard with 1/8 inch double strength insulating glass and are available with glass package options that make it harder for storms or intruders to enter. A second strong argument, our sashes are reinforced internally with either aluminum or steel. Third, our attractive, low profile locks have been rigorously tested to rigid AAMA standards. These locks keep the uninvited out. Our easy action night latches, which limit how far a window can open, allow you to enjoy a little fresh air. To enhance the clean line profile of your windows, we offer, as an option, a concealed sash release mechanism. This clever device serves as both the window lock but also when needed, it releases the tilt latches for easy cleaning.

High Design Pressure Ratings

Blow, wind, blow. PGT SpectraGuard windows have design pressure ratings of DP 50, one of the highest in the industry. These ratings validate the windows' outstanding safety performance. With our coastal heritage, we cannot help but think of hurricanes, tornados, and other possible high-wind storms. Our concern and first-hand experience has even driven us to be a leader in impact-resistant windows, laminated and tempered glass technologies, and the stringent testing of our products.

Sound & Security Package

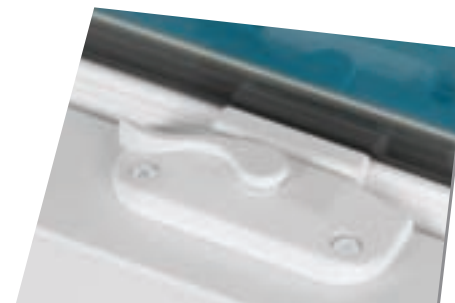
The Sound & Security Package is optional but certainly one worth considering. We can upgrade the insulating glass panel of your windows with a laminated panel on the inside for extra intruder protection. Package upgrades meet UL972 burglary safety standards. Only windows that have met UL standards through harsh testing can make this claim, which designates the product's security performance. Upgraded PGT SpectraGuard Windows achieve the standards of windows most often used in banks and retail stores to prevent smash-and-grab raids. Laminated glass adds a layer of resistance to burglars. In addition, with this upgrade you will significantly reduce outside noise so you can enjoy some peace and quiet.

Wood-like Detailing

Actually, our vinyl windows think they're much better than wood. Looks-wise, SpectraGuard windows have unsurpassed wood-like aesthetics that you'd have to get very close to in order to distinguish them from painted wood windows. It's difficult to tell if they're from the factory or from the forest. The difference is all in the details, from the 3-step beveled miter cut wood-like trim detail to contour grids between the glass. An optional detail, our Simulated Divided Lites, will even give you the realistic look of pricey, individual pane glass windows, but for a lower price. Optional Better Vue™ nearly invisible fiberglass full screens allow for unobstructed

views and ventilation while preventing even the smallest insects from entering. And sorry again wood, but even in the harshest of weather environments, SpectraGuard can hold its own. Our vinyl windows have the beauty and character of wood, but will never rot, warp, or splinter. They don't need repainting either to maintain their beautiful, new wood looks.

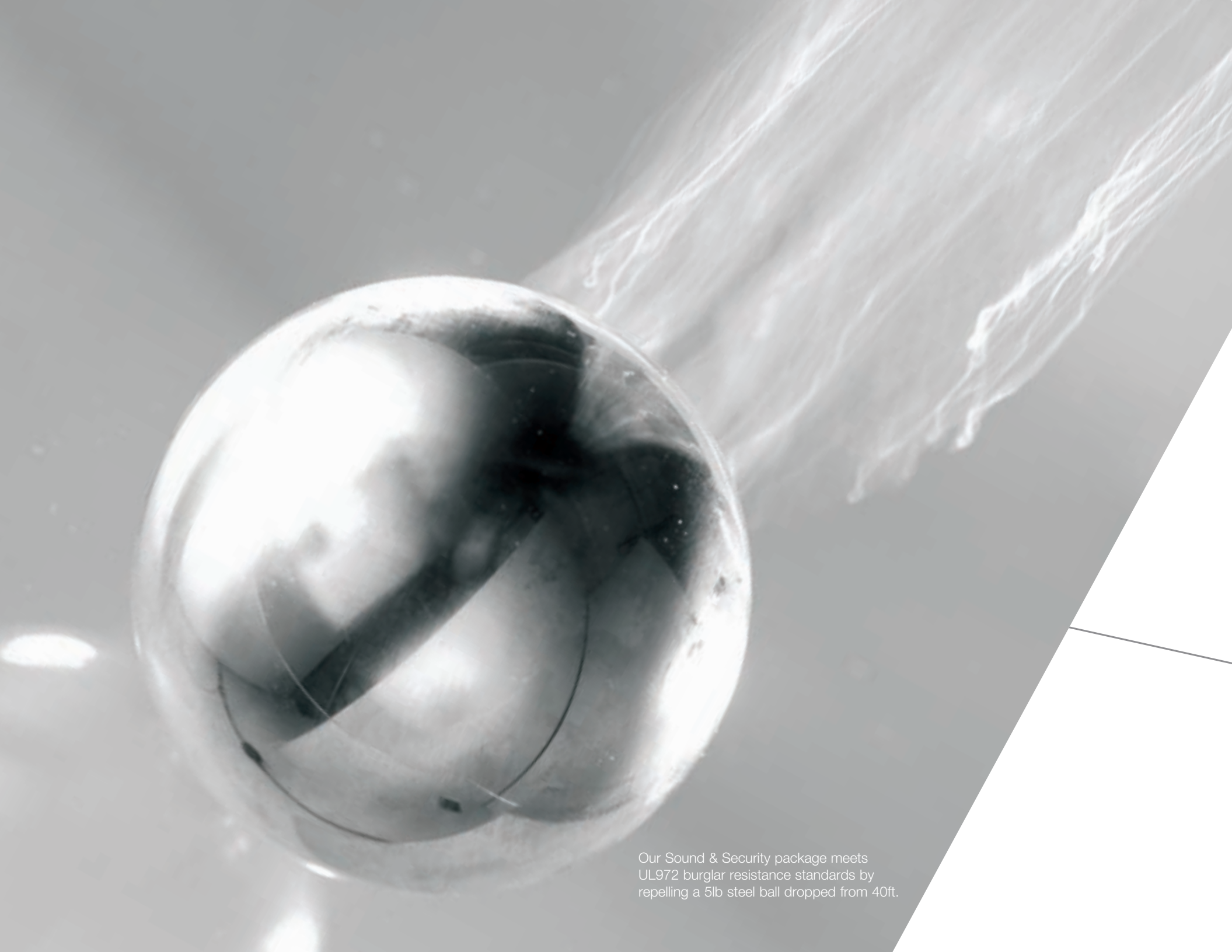
SpectraGuard windows are a PGT exclusive. Few companies set standards as high as we do and achieve them. We take our reputation as an industry leader seriously. We demand the same high standards from our suppliers, as we do from ourselves. We use only the best, most durable hardware and materials. We have proven energy efficiency. We test and retest our windows to make sure they perform to our exacting standards and to those of the accredited professional organizations that award the ratings. We make the windows we use in our own homes. We make the windows we recommend to our friends, neighbors, and families. We make windows we are proud of.



LOW PROFILE LOCKS

WOOD-LIKE TRIM DETAIL





Our Sound & Security package meets
UL972 burglar resistance standards by
repelling a 5lb steel ball dropped from 40ft.

TESTING

OUR TESTING OBSESSION. Every PGT® product performs as promised.

Ever see a five pound steel ball dropped from a height of 40 feet on to a window? We have. We've seen windows attacked with crowbars and pummeled with a two-by-four fired from a pneumatic cannon. It's all in a day's work at our on-site Test Lab. We put our windows through these relentless tests before we'll put our PGT name on them. We design and test until PGT product ratings conform to and exceed the industry's most stringent testing and certification requirements. Then we test them again. We even test individual components such as glass layers, interlayers, silicone glazes, frame material thickness, and hardware. We test the performance of the Super Spacer® against other spacers including metal. We test windows to meet UL972 burglar resistance standards. We test the energy performance of our argon gas to make sure it performs as promised and doesn't leak out. We test the aesthetics of our vinyl windows with designers to make sure our frames capture the true character of wood. It's what you expect and we require.



WINDOWS THAT MATCH YOUR LIVING ENVIRONMENT

STANDARD ENERGY PACKAGE

- General purpose, energy efficient option
- Can be used in any climate or home heating / cooling situation
 - Glass: Double Strength, Solarban 60 Low-E with Argon and Super Spacer

CLIMATE CONTROL PACKAGES

- Customized to meet specific climates and individual home heating / cooling situations
- Exceptional U-Factor and Solar Heat Gain results (see chart)
- ENERGY STAR® 1 & 2 ZONES (ES1 & ES2)*
 - Glass: Double Strength, Solarban 70XL Low-E with Argon and Super Spacer
- ENERGY STAR® 3 & 4 ZONES (ES3 & ES4)*
 - Glass: Double Strength, Solarban 60 Low-E with Argon and Super Spacer

SOUND & SECURITY PACKAGES

- Designed to provide an advanced level of sound reduction and security protection
 - Tested to UL972 safety standard for burglary resistance
 - Windows tested to significantly reduce outside noise
- Exceptional U-Factor and Solar Heat Gain results (see chart)
- ENERGY STAR® 1 & 2 ZONES (ES1 & ES2)*
 - Security glass utilizes laminating technology, plus Solarban 70XL Low-E, Argon and Super Spacer
- ENERGY STAR® 3 & 4 ZONES (ES3 & ES4)*
 - Security glass utilizes laminating technology, plus Solarban 60 Low-E, Argon and Super Spacer

*ENERGY STAR® ZONE CLIMATE DESCRIPTIONS

ES1 (Mostly Cooling Climates)

- The home's A/C runs most of the year

ES2 (More Cooling than Heating Climates)

- The home is both cooled and heated, but A/C is used more than heater

ES3 (More Heating than Cooling Climates)

- The home is both heated and cooled, but heater is used more than A/C

ES4 (Mostly Heating Climates)

- The home's heater runs most of the year

SPECTRAGUARD 2300 SERIES VINYL

STANDARD PRODUCT FEATURES	Standard Energy	Climate Control		Sound & Security	
		ES 1 & 2*	ES 3 & 4*	ES 1 & 2*	ES 3 & 4*
Double Strength Glass	•	•	•	•	•
Super Spacer® NXT	•	•	•	•	•
Low-E with argon	•	•	•	•	•
ENERGY STAR® Compliant	•	•	•	•	•
Enhanced Energy Performance		•	•	•	•
GLASS OPTIONS					
Clear glass	•	•	•	•	•
Gray glass	•	•		•	
Bronze glass	•				
Green glass	•				
Privacy glass	•	•		•	•
GRID OPTIONS					
13/16" Grids between glass	•	•	•	•	•
1" Contour grids between glass	•	•	•		
7/8" Traditional simulated divided lite	•	•	•	•	•
13/16" Flat diamond grids between glass	•	•	•	•	•
ADDITIONAL OPTIONS					
Beige frame	•	•	•	•	•
Multi-purpose lock & keeper	•	•	•	•	•
BetterVue™ screen	•	•	•	•	•
Half screen removable from interior (Double Hung Only)	•	•	•	•	•
DH2360 PRODUCT PERFORMANCE					
Design Pressure 50	•	•	•	•	•
U-Factor	.32	.32	.32	.35	.35
Solar Heat Gain Coefficient (SHGC)	.29	.20	.35	.21	.29
Visible Light Transmittance (VT)	.53	.47	.53	.46	.52
STC Sound Rating	29	29	29	34	34
UL972 Security Standard				•	•
HR2310 PRODUCT PERFORMANCE					
Design Pressure 50	•	•	•	•	•
U-Factor	.29	.29	.29	.32	.32
Solar Heat Gain Coefficient (SHGC)	.30	.21	.36	.21	.30
Visible Light Transmittance (VT)	.55	.49	.55	.48	.54
STC Sound Rating	29	29	29	34	34
UL972 Security Standard				•	•
PW2320 PRODUCT PERFORMANCE					
Design Pressure 50	•	•	•	•	•
U-Factor	.28	.28	.28	.31	.31
Solar Heat Gain Coefficient (SHGC)	.33	.24	.40	.24	.33
Visible Light Transmittance (VT)	.62	.55	.62	.54	.61
STC Sound Rating	27	27	27	33	33
UL972 Security Standard				•	•

PRODUCTS

WINDOW CONFIGURATIONS INCLUDE:

- Double Hung
- Horizontal Roller
- Picture/ Fixed Lite Architectural
- Combinations

STYLE - OPTIONS & UPGRADES

We've thought of everything so you don't have to.

- Standard Energy Package
- Climate Control Package
- Sound & Security Package
- Grids
 - 13/16" Flat
 - 13/16" Flat diamond
 - 1" Contour
 - 7/8" Traditional Simulated Divided Lite
- Adjustable keeper
- Constant force balance system
- Full screen removable from interior
- Multi-Purpose lock and keeper
- Mulling Options:
 - Factory mulling
 - Factory prepped for field mulling
- 18 X 16 Charcoal or Gray screen
- BetterVue™ screen (optional)

PERFORMANCE TESTING

Improved Performance. Greater confidence.

- NFRC certified
- ENERGY STAR® qualified configurations
- STC
- AAMA/WDMA/CSA101/I.S.2/A440-05
- Forced Entry Resistance ASTM F 588
- Passes ASTM E547 for water resistance
- Passes ASTM E283 for air infiltration
- FBC - pending
- TDI - pending
- Tested to UL972

FRAME & SASH

Every view becomes a work of art.

- White and beige color options
- Frame depth of 3¼"
- DP 50
- Decorative contour glazing bead with miter cut
- Jamb adjusters
- Head expanders
- Sill angle

GLASS

Complex science has never been this clear.

- Double strength 3/4" insulating Low-E glass, argon
- Tempered glass
- Popular glass tints

SIZING

One size doesn't fit all.

- Custom sizes
- All units are manufactured on 1/8" increments
- Rough opening with a 1/4" cut back or actual window size with no deductions



DOUBLE HUNG - SERIES DH2360

- A classic style window that features a vertically sliding top and bottom sash
- Available in Equal, Cottage, Oriel styles and a wide range of sizes
- True sash interlock
- Tilt sash design for easy cleaning
- Dual vent latches for partial ventilation
- Constant force balance system to hold sashes in any location
- Full screen removable from interior
- Multi-Purpose lock and keeper (optional)



HORIZONTAL ROLLER - SERIES HR2310

- A versatile window with left and right horizontally rolling sash, with or without a fixed center panel
- Ideal for very large openings
- Configurations include XX and XOX
- Dual locks
- Adjustable keeper
- Screen removable from interior for ease of use
- Adjustable brass rollers for smooth operation



PICTURE / FIXED LITE ARCHITECTURAL SERIES PW2320/AR2320

- This window comes in a multitude of shapes that can stand alone or be used as a companion for visual interest or to capture a view
- Standard shapes include squares, rectangles, half rounds, quarter rounds, circles, ovals, ellipticals, octagons, hexagons, trapezoids, eyebrows, triangles, peak pentagons



COMBINATION - CB2300

- A wide variety of combination windows are available to open up, brighten and add visual interest and beauty
- Combinations are available in single, twin and triple stacks, with or without transoms or shapes above



pgtindustries.com Venice, FL · Salisbury, NC