

Comfort Windows

A PREMIER ABC WINDOW WITH FUSION-WELDED STRENGTH

INNOVATIONS IN ENERGY-SAVING TECHNOLOGY



The Look
for a Lifetime



www.abcseamless.com

QUALITY TESTED AND PROVEN FOR SUPERIOR DURABILITY AND PERFORMANCE

- Comfort Windows surpassed the rigorous air infiltration resistance testing requirements of the American Society for Testing and Materials (ASTM). ASTM E 283.
- Comfort Windows resisted water infiltration during a test in which the equivalent of eight inches of rain an hour is blown onto the window at a simulated wind speed of approximately 54 mph. ASTM E 547.
- Comfort Windows maintained their structural strength and integrity in tests simulating winds over 155 mph. (This is the same wind speed reserved for Category 5 hurricanes by the National Hurricane Center.) ASTM E 330.

These tests were witnessed by independent testing laboratories utilizing the nationally recognized and accepted American Architectural Manufacturers Association (AAMA) test standards and criteria.

YOUR ABSOLUTE GUARANTEE OF QUALITY. . . THE AMI WINDOW LIFETIME LIMITED WARRANTY

Comfort Windows are made by AMI, a recognized leader in product innovation, manufacturing excellence and uncompromising quality control. That's a reputation you can count on, from the day your windows are installed until the day you sell your home. And to make your buying decision easier, AMI backs all Comfort Windows with its Lifetime Limited Warranty**...one of the finest in the industry. In addition, the Window Color Collection exterior finishes carry a 10 year fade-resistance warranty rider.

GLASS BREAKAGE WARRANTY

For added coverage against unexpected mishaps, we also offer a Glass Breakage Warranty.** See your window sales professional for further details.



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*It is imperative that your new bay or bow window is sealed and finished properly within the first 30 days after installation. Failure to finish and seal all of the wood components may cause the wood to fade, swell, warp or develop other defects that would not be covered by your normal product warranty. **A written copy of the warranty is available by writing to: Window Warranty department, P.O. Box 2010, Akron, Ohio 44309. Colors are reproduced by lithographic process and may vary slightly from colors of actual product. All specifications and designs subject to change without notice. WARNING: Screen will not stop child from falling out window. Keep child away from open window. The only purpose of the screen is to minimize infiltration of insects. Intercept is a registered trademark of PPG Industries. ENERGY STAR name and logo are registered U.S. marks and are owned by the U.S. government.

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Made in U.S.A.



QUALITY HOME RENOVATIONS SINCE 1973

ABC Seamless Siding and Gutters has been a mainstay in the home improvement industry since 1973. We measure our success from each and every customer's satisfaction. And it is for that reason we work diligently to create happy homeowners – and customers for life.

As part of ABC Seamless Siding and Gutters, “The World’s Largest Seamless Siding Company,” we make it a top priority to serve our community with active involvement in the Home Builders Associations and Chambers of Commerce. We also have strong ties to civic and church organizations and volunteer for special remodeling projects in our area.

Whether your renovation plans involve windows, siding, roofing, or gutters, you can count on us for premium quality products, superior craftsmanship and outstanding customer service.



EXPERIENCE YOU CAN TRUST

When you select ABC Windows for your home, you're getting more than just frames, sashes and glass. You're getting the professional knowledge and technical skill of AMI's Product Development Group – experts with a proven track record for designing, building and testing superior, energy efficient windows. These specialists know that to build the best windows, you have to start with the best materials and components. More than 60 years of manufacturing experience assures your complete satisfaction.



EXPERTLY CRAFTED

Superior durability, energy efficiency and classic beauty unsurpassed – everything you expect in an exceptional window. Our ABC Windows are performance-built from the inside out to ensure long-lasting beauty and strength. Fusion-welded frames and sashes, metal reinforcement at the meeting rails and a multi-chamber design, along with a heavy-duty balance system and operating hardware, together achieve outstanding structural integrity.

IDEAL FOR TODAY'S LIFESTYLE

ABC Windows will maintain their attractive appearance with minimal upkeep. The premium virgin vinyl construction won't rot, split, corrode or pit like painted wood windows, and won't swell or warp from exposure to moisture.

WEATHERTIGHT CONSTRUCTION

From the day they're installed, you'll appreciate the weathertight protection and energy savings of ABC Comfort Windows. The multi-chambered wall extrusions create a powerful insulating barrier, while precision-engineered frames and sashes add structural integrity and strength. Multi-layer weatherstripping, a strong sash interlock system and a high-performance glass unit further contribute to superior thermal efficiency.

MAKE YOUR HOME AN ENERGY MISER!



It's easy. Simply choose our ENERGY STAR® qualified ABC Energy Saver III insulated glass package.† The advanced components and design used in the ABC Comfort Window exceed all criteria required by the ENERGY STAR program.

By choosing our ABC Energy Saver III insulated glass package, you can help reduce your energy costs even more, while further reducing the consumption of fossil fuels. Using less energy in our homes reduces the amount of CO2 emissions released into the atmosphere from the burning of fossil fuels such as coal, oil and natural gas.

†Insulated glass (IG) units that require capillary tubes may experience some krypton or argon gas depletion.



CHOOSING WINDOWS WISELY

Energy-efficient ABC Comfort Windows can help create positive impacts on the environment and our economy. If all residential windows in the U.S. were replaced with ENERGY STAR qualified products, we would save \$7 billion in energy costs over the next 15 years. Over the same time, the reduction in carbon dioxide emissions from these purchases would be equivalent to reducing gasoline consumption by 120 billion gallons, taking 17 million cars off of the road or preserving 142 million acres of trees.

ABC Comfort Windows with the ABC Energy Saver III insulated glass package help prevent energy loss and can reduce fuel use year-round. Most of our energy is produced by the burning of fossil fuels, which causes air pollution, smog and global warming.



COMFORT WINDOWS WITH ENERGY SAVER III INSULATED GLASS PACKAGE

When it comes to performance and strength, substantial quality distinctions make our Comfort Windows a premier selection.

- **Triple-Glazed Insulated Glass Unit†**
Features two panes of Double Low-E glass, a third interior glass pane, and two argon gas-filled chambers for greater energy efficiency.
- **Specially Formulated Glass**
Delivers outstanding protection from unwanted solar heat gain and helps block damaging UV rays that cause carpets and furnishings to fade, yet allows desirable visible light transmission to brighten the home's interior.
- **Double-Strength Glass**
Provides increased durability and protection.
- **Foam Insulation**
Foam-enhanced mainframe and sash for improved energy efficiency.
- **Quad-4 Weatherstripping**
Multi-layer weatherstripping at the header and sill adds protection from the elements.
- **Superior Durability**
Heavy-duty frame and sashes stand up strong to everyday wear and tear.



A dual-glazed slimline design is also available.

†Also available with lower insulating gas and Double Low-E options.



In winter months, Low-E glass lets warm solar rays into your home, while helping to prevent indoor heat from escaping.

FOR EVERY HOME - WINDOWS OF SUPERB QUALITY, STYLE AND VALUE

Throughout the Comfort Windows product line, you'll find not only exceptional craftsmanship and attention to detail, but also distinctive designs that will add uncompromising beauty to your home.

- Interior woodgrains and exterior colors for custom-crafted appeal.
- Premium virgin vinyl construction – never needs to be painted.
- Fusion-welded mainframe and sashes for exceptionally tight, clean corners and maximum welding strength.
- Airtight insulating chambers for superior insulating performance as well as structural integrity.
- Lifetime limited warranty with glass breakage warranty.



During summer, Double Low-E glass filters long-wave radiation from the sun to reduce solar heat gain and keep your home cooler.

HIGH-PERFORMANCE INSULATED GLASS

Like many homeowners, you might not realize the important role glass plays in the thermal efficiency of a window unit. Windows are roughly 80% glass, so it's essential that the glass system delivers outstanding protection against energy loss.

Insulating Double Low-E glass technology is utilized in every Comfort Window. Double Low-E windows feature two virtually clear, metallic coatings that act as a thermal mirror to help keep warm air from your furnace inside the home during winter and block solar heat out during the summer months. Double Low-E also helps minimize the damaging UV rays that cause carpets and furnishings to fade.

THE POWER OF ARGON GAS

Studies have shown that up to 50% of a home's energy dollars are lost through poorly insulated windows and doors. The Comfort Window Energy Saver III insulated glass unit with argon gas is one of your best defenses against energy loss. Argon is an inert, colorless, odorless and safe gas that substantially improves the thermal performance of a window by reducing conduction and the transfer of heat.

- Comfort Window Energy Saver III glass unit with two chambers of argon gas will insulate nearly 60% better than a standard clear, insulated glass unit.

YEAR-ROUND COMFORT - LESS ENERGY SPENDING

The Comfort Window Energy Saver III glass system exceeds performance requirements set forth by the U.S. department of Energy in conjunction with the National Fenestration Rating Council (NFRC) test criteria. One of the most critical NFRC tests measures the rate of heat gain through a window or door (U-factor). The lower the U-factor, the better the product is at resisting heat flow, which can help lower your heating bills.

Another critical NFRC test is for Solar Heat Gain Coefficient (SHGC). This measures how well a product blocks heat caused by sunlight. Again, the lower the number, the less solar heat the window transmits into the home – helping you to save on air-conditioning usage.



Glass Performance* U-Factor Comparison Window Size: 36" x 60"

| | U-Factor | SHGC |
|------------------|----------|------|
| Clear Glass Unit | 0.45 | 0.55 |
| Double-Glazed | 0.29 | 0.27 |
| Energy Saver III | 0.23 | 0.23 |

*0501 double-strength glass whole window values.



Look for the NFRC label to quickly compare the energy performance data of each window.

WARM-EDGE SPACER SYSTEM

ABC Window also offers glass units built with the PPG Intercept® Warm-Edge Steel Spacer, an option to standard foam spacers. This unique system features a one-piece metal alloy, U-channel design that helps minimize heat loss through the window. Its sealed, one-piece construction makes Intercept Spacers stronger and better at retaining insulating gas than many conventional designs. Intercept is nearly 25% more effective than a traditional metal spacer at the edge of the glass unit.



DOUBLE-HUNG WINDOWS

Faithful to the tradition of classic American architecture, double-hung windows combine elegance and style with the convenience of tilt-in sashes for easy cleaning from inside your home.

- Fusion-welded corners on sash and mainframe deliver superior strength and structural integrity.
- Multi-chamber extrusion design increases structural integrity and energy efficiency.
- Interlock at sash meeting rails ensures a tight seal against air infiltration, while providing security, comfort and well-being.
- Drop-in glazing provides energy efficiency as well as interior aesthetic appeal.
- Multi-layer weatherstripping helps block energy loss while creating additional protection from the elements.
- Heavy-duty constant force balance system eliminates sash cords, weights and pulleys and provides easy fingertip operation.
- Hidden screen track produces clean lines for an enhanced appearance.
- Finger-friendly sash ventilation tabs allow fresh airflow.



SLIDING WINDOWS

The generous glass exposure and clean-line design of our sliding windows allow natural lighting and an unobstructed view, while a premium construction and insulating components deliver outstanding thermal protection.

- Fusion-welded corners on sash and mainframe deliver superior strength and structural integrity.
- Multi-chamber extrusion design increases structural integrity and energy efficiency.
- Heavy-duty weatherstripping provides superior protection from air and water infiltration.
- Nylon-encased dual brass roller system ensures smooth operation of the sashes.
- Hidden screen track creates a clean-line appearance.
- Finger-friendly sash ventilation tabs allow fresh airflow.





CASEMENT WINDOWS

Combining timeless style with modern practicality, our casement windows will lend a distinctive touch of refinement to any room. The attractive design features an easy-touch crank handle to open and close the window.

- Beveled exterior sash design gives the window an architecturally pleasing appearance with an attractive slimline look.
- Step-down frame with compression bulb seal provides a tight seal.
- State-of-the-art, high-endurance hinge system provides multi-directional ventilation and allows sash cleaning from inside the home.
- Heavy-duty crank mechanism permits easy operation when opening and closing the sash.
- Metal reinforcement helps to secure the operating hinge system.
- Multi-point locking system ensures a tight fit and added security.
- Multiple lite configurations available in single mainframe.

BOW & BAY WINDOWS

Quality-crafted with attention to detail, our bow and bay windows will add character and charm to any room while creating the appearance of a larger living area.

- 1-1/4" furniture-grade veneer is standard in the construction of head, seatboards and jambs.
- Head and seatboard are finished in oak or birch veneers and are ready for painting or staining.*
- 3" pre-insulated (R 7.5) seatboard option helps increase energy savings.
- Reinforced mullion design provides superior strength and support for the selected components.
- Available in a wide selection of elegant interior and exterior colors.
- Exterior roof system available with steel, copper or asphalt shingles.



AWNING WINDOWS

Opening up and out, awning windows are an ideal way to add ventilation to your home. Combine awning windows with fixed lites for additional window design options.

- Beveled exterior sash creates the appearance of a larger glass area with a clean-line design.
- Heavy-duty, state-of-the-art hinge system provides easy operation from inside the home.
- Metal reinforcement helps to secure the operating hinge system.
- Awning windows feature a dual-point locking system for a safe, secure fit.
- Multiple lite configurations available in single mainframe.





SLIDING PATIO DOORS

Our patio doors invite the natural beauty of sunlight into your home and create a strong and tight shield against inclement weather. The heavy-duty construction provides superior style and performance that will stand the test of time.

- 1 Mainframe and sash extrusions won't chip, peel, crack or warp. Premium virgin vinyl resin is colored all the way through to ensure a durable, luxurious finish.
- 2 Sturdy white pine wood mainframe substructure combined with vinyl cladding creates an effective thermal barrier.
- 3 Metal-reinforced sash components provide added strength and structural integrity.
- 4 Weatherstripping in extra-deep integral interlocks at meeting stiles increases insulation and helps block air infiltration.
- 5 Insulated glass unit with foam, or with the PPG Intercept Warm-Edge Steel Spacer System, saves energy year-round by reducing the transfer of heat and cold.
- 6 Dual durometer glazing system absorbs shocks and helps guard against inclement weather.
- 7 Heavy-duty structural composite roller system with stainless steel ball bearings provides effortless operation and movement of the door panel.
- 8 Low-profile, anodized aluminum sill cover for extra strength and durability.

ADDITIONAL FEATURES

- Triple-screw, butt-joint frame construction creates precision-fit corners for maximum strength and weathertight performance.
- Double weatherstripping and vinyl bulb seal offer superior thermal efficiency.
- Durable fiberglass screen with aluminum frame features an adjustable independent wheel system in all four corners and a controlled, spring-tension system for smooth gliding that stays on track.
- Available in a 2-lite style in 5', 6' and 8' widths; a 3-lite style in 9' width; and a 4-lite style in 12' width with center panels opening to each side. Height is standard 79-1/2". Custom sizes available.
- Choose from our complete collection of colors as well as left or right moving door panels.



DESIGN OPTIONS FOR CUSTOM APPEAL

Choose from our full selection of decorative options to give your windows your personal touch — both inside and out.

DECORATIVE GRIDS

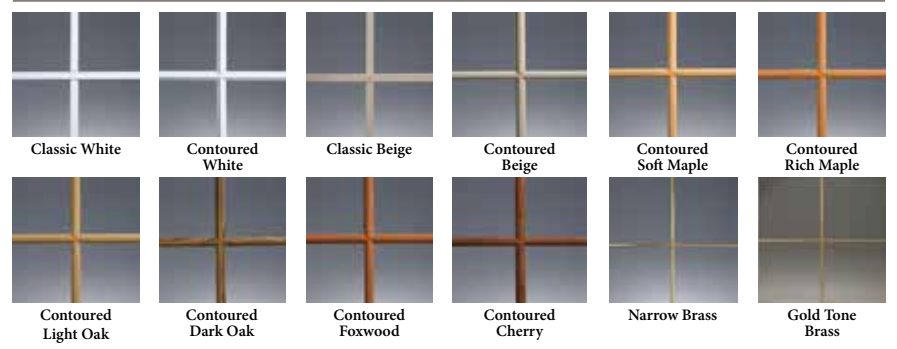
Enhance the appearance of your windows by adding decorative grids. All grids are enclosed within the insulated glass unit for easy cleaning.

Grid Patterns



Decorative Grid Patterns:
 Colonial - available in Classic, Contoured and Narrow Brass grids
 Diamond - available in Classic grids
 Prairie and Double Prairie - available in Classic, Contoured and Gold Tone Brass grids
 Craftsman - available in Classic, Contoured and Narrow Brass grids for operating and fixed-lite casements only

Grid Profiles



FRAME FINISHES

Our Window Color Collection lets you add the perfect measure of style to your windows.



Need More Ideas?
Ask the Window Experts!



¹Exterior colors feature a cutting-edge polyurethane coating technology with heat-reflective pigments for a remarkably strong, fade-resistant and highly weatherable finish.
²Interior woodgrain laminate finishes are precision-engineered for outstanding durability.
 *White woodgrain is available with a Beige base only.
 **Extruded solid color.

FINISHES TO COMPLIMENT YOUR STYLE



OUR WINDOW COLOR COLLECTION LETS YOU ADD THE PERFECT MEASURE OF STYLE TO YOUR WINDOWS.

- Exterior colors feature a cutting-edge polyurethane coating technology with heat-reflective pigments for a remarkably strong, fade-resistant and highly weatherable finish.
- Interior woodgrain laminate finishes are precision-engineered for outstanding durability.
- White woodgrain is available with a Beige base only.
- * White woodgrain is available with a Beige base only.
- ** Extruded solid color.



Colors shown are a guide only. See product samples for the most accurate color.

LIFETIME LIMITED WARRANTY... YOUR ABSOLUTE GUARANTEE OF QUALITY



Bay and Bow Windows are made by AMI, a recognized leader in product innovation, manufacturing excellence and uncompromising quality control. That's a reputation you can count on from the day your windows are installed until the day you sell your home. And to make your buying decision easier, AMI backs all Bay and Bow Windows with its Lifetime Limited Warranty.

Independent testing and certification agencies test our windows and have found:

- Bay and Bow Windows easily passed the rigorous air infiltration resistance testing procedure of the American Society for Testing and Materials (ASTM). ASTM E 283.
- Bay and Bow Windows resisted water infiltration during a test in which the equivalent of eight inches of rain an hour is blown onto the window at a simulated wind speed of nearly 60 mph. ASTM E 547.
- Bay and Bow Windows maintained their structural strength and integrity in tests simulating winds of over 155 mph, ATM E 330. Based on an individual unit size of 36" x 60" these tests were witnessed by independent testing laboratories utilizing the nationally recognized and accepted American Architectural Manufacturers Association (AAMA) test standards and criteria.



Imagine. Beautiful. Living.

ABC SEAMLESS
BAY & BOW PREMIUM WINDOW SHOWCASE



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WARNING: Screen will not stop child from falling out window. Keep child away from open window. The only purpose of the screen is to minimize infiltration of insects. Intercept is a trademark of PPG Industries. A copy of the written product warranty is available upon request by writing to Window Warranty Department, P.O. Box 210, Akron, Ohio 44309. Copyright 2013, ABC Window. Printed in the USA. 9831-023

Elegant



PRECISION-BUILT FROM THE INSIDE OUT

- 1 Solid vinyl color throughout keeps windows fresh and new-looking. Virgin vinyl (PVC) resin won't chip, peel or warp.
- 2 Extruded vinyl frames and sashes enhance thermal efficiency and energy savings.
- 3 Multiple chambers create additional insulation channels between the window units.
- 4 A 3/4" exterior grade plywood bottom combines with a 1" expanded polystyrene foam core with the 1 1/4" furniture grade hardwood veneer interior.
- 5 Standard 3" pre-insulated seatboard is available for added warmth and energy efficiency.
- 6 Head and seatboard are finished in furniture grade hardwood Oak or Birch veneers and ready for painting or staining. Avonite seatboard is also available as well as stained or laminated interior finishes.
- 7 Heavy-duty, adjustable turn-buckle cable hanging system prevents possible sagging or bowing and eliminates any external braces.

ADDITIONAL FEATURES

- Slimline reinforced mullion design provides superior strength and support for the selected components.
- Triple pane insulated glass unit with argon gas provides year-round comfort and energy savings.
- PPG Intercept™ Warm Edge Spacer System saves energy by reducing the conduction of heat at the edge of the glass, ensuring superior thermal performance and durability.
- Fiberglass full and half screens provide ventilation.



ENHANCE YOUR VIEW

Bay and Bow Windows bring exquisite style to a home that truly stands apart. Custom crafted for enduring quality and performance, these elegant yet practical windows lend a dramatic focal point and deeper dimension to any room. From their sleek, elegant but simple design, to the strength of their virgin vinyl frames and sashes, Bay & Bow Windows are in a class by themselves.

"INSTALLING A BAY WINDOW HAS DRAMATICALLY ALTERED THE LOOK AND FEEL OF OUR HOME.

THE *natural beauty* OF THE OUTDOORS HAS NOW BECOME AN INTEGRAL PART OF OUR LIVING SPACE."



THE ABC WINDOW HAS BEEN A MAINSTAY IN THE HOME IMPROVEMENT INDUSTRY SINCE 1973. WE MEASURE OUR SUCCESS BY OUR CUSTOMER'S SATISFACTION. WE WORK DILIGENTLY TO CREATE HAPPY HOME-OWNERS AND CUSTOMERS FOR LIFE.



BUILT WITH CONFIDENCE AND SKILL, ABC REPLACEMENT WINDOWS PLACE AS MUCH EMPHASIS ON STYLE AS ON COMFORT AND ENERGY-EFFICIENCY.