

CRUSADER[®]

ELITE



IMPROVE YOUR VIEW



WHY US?

Since 1975, NBP has made energy-efficient windows and sliding doors in Philadelphia, PA. We are a premium vinyl window manufacturer more committed than ever to creating quality products and a positive customer experience.

- Award-winning products
- ENERGY STAR® qualified windows and doors
- Fully experienced, quality-minded people
- State-of-the-art manufacturing facilities
- In-house testing
- Certified product lines
- World-class quality assurance processes



INDUSTRY-LEADING WARRANTY

All NBP residential windows come standard with a limited lifetime transferrable warranty and an easy online registration process. NBP ensures windows will be free from manufacturing or material defects for as long as they remain in use at the home where they were originally installed and the original purchaser (or authorized transferee) owns and resides in such home.

Our warranty backs up our top-quality workmanship, guaranteeing:

- Our windows will not rot, rust, warp, pit, corrode, or blister
- Vinyl colors will remain true for the life of the home
- The moving parts and the insulated glass unit are covered in the case of defects in materials or workmanship



SCAN FOR WARRANTY INFORMATION & REGISTRATION

HIGH QUALITY, GUARANTEED

We meticulously Quality Audit our products during the production process. Our quality engineers regularly test our products in a certified lab to verify that they meet the most stringent thermal and structural requirements.

Our testing includes:

- Design pressure testing (AAMA standards)
- Air and water infiltration
- Multiple quality assurance checkpoints during production



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Introducing NBP's premium window series: **Crusader Elite**.
Windows built to last with unmatched energy efficiency.

Double-Hung



Casement



Picture



Slider



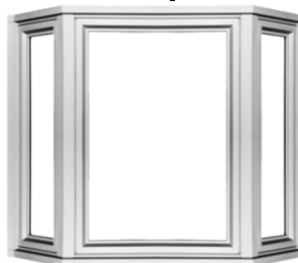
Special Shape



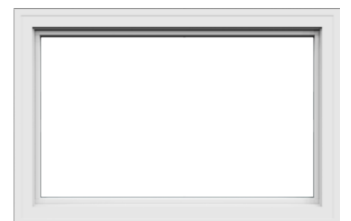
Bow



Bay



Awning



CRUSADER ELITE

WINDOW FEATURES



1. DURABILITY & EFFICIENCY

FUSION-WELDED SASHES & FRAME

Built from 100% virgin vinyl for exceptional strength and durability, reducing air and water infiltration.

2. SLEEK & STYLISH

EXTERIOR BEVELED MAINFRAME

Provides contemporary beauty and style.

3. STURDY DESIGN

EXTRUDED LIFT & PULL RAILS

Built directly into sash for greater durability. No added or snap-in components.

4. LOW MAINTENANCE

STAINLESS STEEL CONSTANT FORCE BALANCE SYSTEM

Provides smooth and easy double-hung window operation and never requires lubrication or adjustment. Includes balance track covers for a clean appearance and optimal function.

5. CONVENIENT & EASY TO USE

DUAL-VENTILATION LATCHES

Limit the window opening to a set point during ventilation.

6. HIGH EFFICIENCY

STAINLESS STEEL SPACER

Warm-edge intercept spacer is the most widely used spacer in the world, providing great condensation resistance and seal integrity and longevity. **SUPER SPACER UPGRADE AVAILABLE.**

7. TOUGH & SECURE

ZINC DIE-CAST CAM LOCK

Our zinc, die-cast cam locks help the Crusader Elite pass AAMA's forced entry resistance test. **TILT LOCK UPGRADE AVAILABLE.**

8. STRUCTURAL & THERMAL INTEGRITY

COMPOSITE INTERLOCK REINFORCEMENT

Proprietary, composite reinforced interlocking sashes provide increased strength where sashes meet.

9. RIGID & DURABLE

WINDOW SCREEN

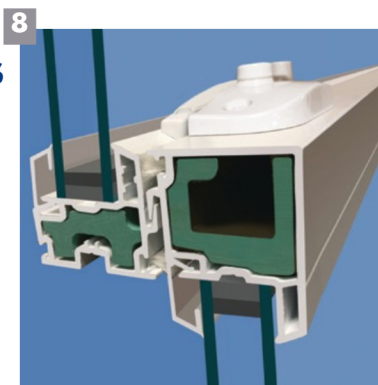
Extruded standard locking screen with BetterVue® mesh. **FlexScreen upgrade available with painted windows.**

DOUBLE STRENGTH GLASS IN ALL WINDOWS

Available in double and triple-pane configurations

BETTER INSULATION

Our special composite reinforced sashes insulate significantly better than standard metal reinforcements



EXCEPTIONAL QUALITIES

One of the Lowest Air Infiltration Rates in the Industry

With a CFM (Cubic Feet per Minute) airflow rating of only .03, Crusader Elite windows have one of the lowest air infiltration rates in the entire window industry. The lower the CFM rating, the less outside air leaking into the house, resulting in fewer drafts, greater comfort, lower heating and cooling expenses, and a smaller carbon footprint. Our rating of .03 is **TEN TIMES** better than the industry minimum of .30!

Lower Your Bills With Our Highly Insulated Frame & Sash

With the option to inject both the frame and sash with our polyurethane comfort foam, experience reduced thermal conductivity and help your windows operate at peak thermal efficiency year-round, and potentially save money on heating and cooling costs.

Enjoy A Quieter & Secure Home With Thick Insulated Glass

The Crusader Elite series boasts 3/4" thick insulated glass units, featuring double strength glass. Enjoy better efficiency, less noise pollution, and more secure windows.

Reduce the Chances of Weather Damage With Super Spacer

The Crusader Elite Series offers a spacer upgrade option to Super Spacer. Super Spacer features a polymer EPDM (Ethylene-propylene-diene-monomer) construction and delivers high performance, including excellent resistance to ozone, weathering, water, and aging. This spacer maintains its flexibility through vast changes in barometric pressure and temperature - extending the life of your windows for years to come.

Windows That Will Last With Advanced Meeting Rail Reinforcement

The Crusader Elite Series features composite reinforcement for both window sashes - giving the window maximum structural integrity.





A COLOR FOR EVERY STYLE

Choose from our list of colors to add your personal touch

Standard Vinyl Interior & Exterior



WHITE



ALMOND



BLACK

Laminate Coating With white interior

Exterior Paint

With your choice of white or almond vinyl interior frame



BLACK



BRONZE



BROWN



COCOA



CLAY



ALMOND



GREEN



RED



CREAM

Upgraded Window Screens



Enjoy the ease of use with FlexScreen, included with every painted window. This flexible window screen makes installing and removing screens easier than ever and provides an unobstructed, bug-free view.

*FlexScreen is not available in Crusader Elite casement windows.

CRUSADER *Woodlands* COLLECTION

Introducing the **Crusader Woodlands Collection** – our stunning series that brings the timeless beauty of woodgrain finishes to your windows' interiors.

Interior Options



Light
Oak



Medium
Oak



Cherry

Note:

Woodgrain finishes are only available in combination with exterior paint colors shown to the side.

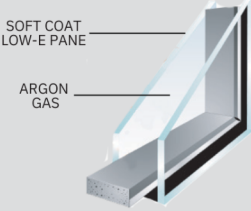
*Due to the effects of heat, light, age, and the printing process, samples shown here may vary slightly in color or sheen from the actual materials.

GLASS PACKAGES

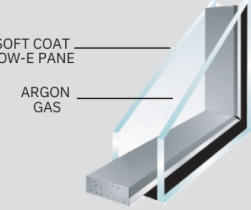


We meet ENERGY STAR criteria for all climate zones.

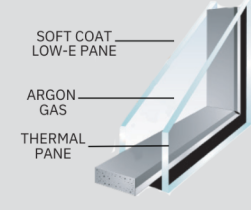
LOW-E/ARGON			
SB60 ARG90 CLR SS NO GRIDS			
U	S	V	CR
0.26	0.29	0.53	60



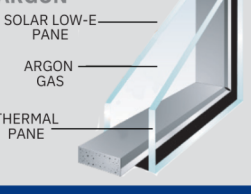
SOLAR LOW-E/ARGON			
SB70 ARG90 CLR SS NO GRIDS			
U	S	V	CR
0.26	0.20	0.47	60



THERMAL(SFC 4) / LOW-E/ARGON			
SB60 ARG90 CS73 SS NO GRIDS			
U	S	V	CR
0.23	0.28	0.48	48



THERMAL(SFC 4) / SOLAR LOW-E/ARGON			
SB70 ARG90 CS73 SS NO GRIDS			
U	S	V	CR
0.22	0.19	0.43	49



UNDERSTANDING ENERGY LABELS

U - U Value: The heat transfer rate between a window's interior and exterior. A lower U-value indicates greater resistance to heat flow and better insulating performance in a window.

S - Solar Heat Gain Coefficient: A measure ranging from 0-1 of how much solar radiation (heat from the sun) is transmitted through a window and how much is absorbed and then released into the home as heat.

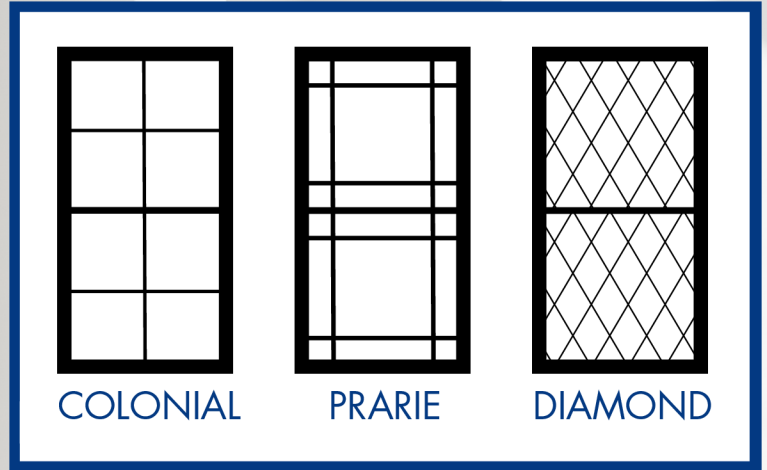
V - Visible Transmittance: A measure of the amount of visible light that passes through a window, ranging from 0-1.

CR- Condensation Resistance: A performance rating from 1-100 that shows how resistant a window is to condensation.

GRID OPTIONS

Grid options can be installed as top sash only, or both sashes on double hung configurations.

Colonial grid styles are available in 4, 6, or 9-lite patterns.



TRIPLE PANE OPTIONS FOR MAXIMUM EFFICIENCY



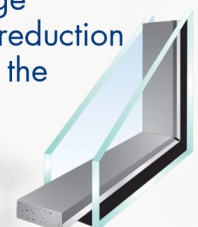
Choose triple pane windows to meet ENERGY STAR most efficient standards.

You can enjoy the superior insulation properties of triple pane windows with our frame foam and double-strength glass - a combination designed to bring you windows that last for years to come.

UPGRADE TO SUPER SPACER

With the option to upgrade from the standard stainless steel spacer, you can experience greater efficiency with Super Spacer. This metal-free warm-edge sealing system provides optimal reduction of heat and cold transfer around the glass perimeter.

(See page 4 for details.)



5X LESS AIR LEAKAGE THAN OTHER VINYL WINDOWS

The lower the CFM rating, the less outside air leakage enters your home. Experience fewer drafts, greater comfort, lower heating & cooling costs, and a smaller carbon footprint.

COMPARE \approx AIR INFILTRATION

INDUSTRY STANDARD

AIR LEAKAGE:

2.25

GALLONS OF AIR



.30 CFM

Air Leakage

TRADITIONAL WOOD RESIDENTIAL

DOUBLE HUNG WINDOWS

1.725

GALLONS OF AIR



.23 CFM

Air Leakage

Industry Average Range: 0.12 CFM - 0.30 CFM**

TRADITIONAL VINYL RESIDENTIAL HIGH-PERFORMANCE

DOUBLE HUNG WINDOWS

1.125

GALLONS OF AIR



.15 CFM

Air Leakage

Industry Average Range: 0.11 CFM - 0.21 CFM**

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DOUBLE HUNG WINDOWS

.23

GALLONS OF AIR



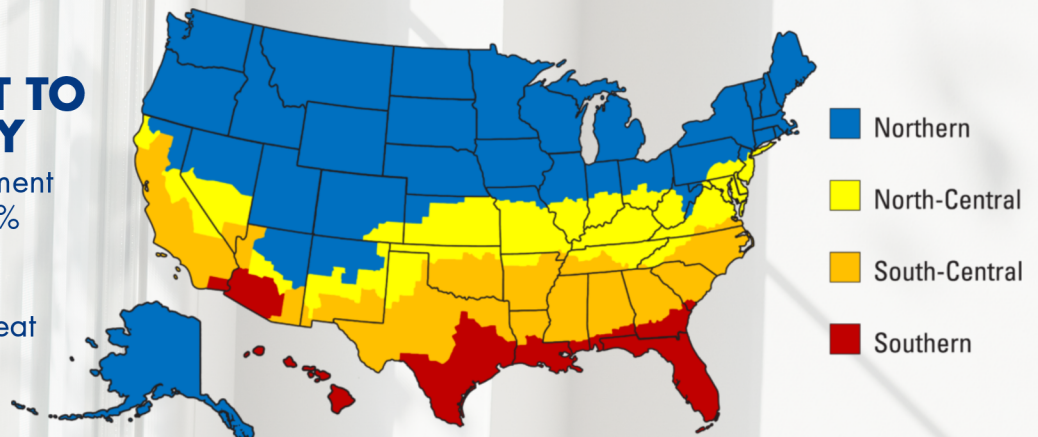
.03 CFM

Air Leakage

*INDUSTRY STANDARD: The Fenestration and Glazing Industry Alliance (FGIA) set the industry standard for maximum allowable air infiltration at 0.30 CFM (cubic feet per minute) during a 25 MPH wind. This is equal to 2.25 gallons of air leaking through the window every minute. **References valid as of Oct. 1, 2020, based on our competitor's websites and independent testing.

OUR COMMITMENT TO ENERGY EFFICIENCY

According to the U.S. Department of Energy, between 25% - 30% of your home's energy usage goes towards heating and cooling your home from the heat that enters or escapes through your windows. This makes having energy-efficient windows crucial for saving money and reducing your carbon footprint. Our commitment to energy efficiency and environmental conservation are key factors in our product offering. To support this, we partner with ENERGY STAR[®] and offer windows and sliding doors designed for top energy performance.



MAP IMAGE SOURCE: ENERGY STAR VIA EFFICIENTWINDOWS.ORG

PERFORMANCE FOR YOUR CLIMATE ZONE

Before buying new windows, it's helpful to know which climate zone you're in. Each zone has different requirements for the most efficient windows and doors. NBP offers different performance packages suited for specific climates that are designed to respond to factors that affect window efficiency, such as convection, radiant heat loss, conduction, light transmittance, and more. To find out which performance package is best for you, ask your NBP window dealer.

ADDITIONAL OPTIONS

SPECIALTY GLASS

Tempered safety glass is available for peace of mind in case of breakage. Additionally, obscure glass offers an added level of privacy, obstructing the view from the window while still allowing natural light to flow in.

FULL SCREENS

Enjoy a bug-free breeze through the house by upgrading to full screens to fully vent your windows, made with BetterVue® mesh.

CUSTOM SHAPES

For the ultimate in style, design and individuality, NBP offers a full line of specialized window shapes and sizes, custom made to fit your home's unique character.

ORIEL STYLE/COTTAGE CONFIGURATIONS

Oriel-style windows feature unequal sash configurations, which allows for a distinctive, customized look that will set your windows apart.

TILT LOCK UPGRADE

The Crusader Elite Series tilt lock upgrade for double-hung windows provides one mechanism for locking and tilting the sash. Engineered to withstand thousands of cycles, it eliminates the need for separate tilt latches, creating a smoother and more streamlined sash appearance.





THE INDUSTRY'S BEST **SLIDING GLASS DOORS**

Our premium sliding glass door provides your home with a beautiful, durable, and energy-efficient entryway for years to come.

Our fully welded, tempered, insulated sliding glass door is available in 2 to 8 panel configurations, up to 23 feet wide and 8 feet tall.

SCAN TO
LEARN MORE!



**AVAILABLE IN 2 TO
8 PANEL
CONFIGURATIONS,
UP TO 23 FEET
WIDE AND 8 FEET
TALL!**



SLIDING GLASS DOORS

Features

BUILT TO LAST

Made with premium, heavy-duty, fully-welded virgin vinyl

EASY TO OPERATE

Our heavy-duty adjustable rollers and tempered aluminum sill track make for an easy glide

INCREASED EFFICIENCY

Made with 7/8" tempered insulated glass with an optional upgrade to Solarban 60 or 70 Low-E Glass for more efficiency

SECURITY

Doors include standard multipoint lock with exterior key lock

CUSTOM SIZING

Our doors are made to fit your home, available in standard 2 panels or multi-panel configurations. WinForce Multislide door is also available.

OPTIMAL VENTILATION

Enjoy the dual-position venting foot lock for a nice breeze

DP50-RATED

Our doors are tested and proven to withstand some of the most extreme conditions. They can remain intact when met with a pressure of 75 pounds per square foot, or up to 200 mph winds. We also offer DP-70 and DP-80 rated doors in our WinForce series.

BLINDS IN GLASS



Blinds can be installed and enclosed between two panes of Low-E glass, with slide handles

allowing easy draw operation. This design keeps your blinds clean and protected.



MULTIPLE HARDWARE PACKAGES

Choose from different colors and finishes, including stainless coastal packages for salt water weather.



CONTACT US

Contact us with questions, comments or to connect to a preferred remodeler or dealer.

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NBP Windows



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Northeast Building Products

