



A New Generation of Vinyl Windows



# State of the Art Window Design

Remarkable beauty, exceptional performance and distinctive design of the new InSight Model 6800 window leads the way in energy efficient vinyl windows from Interstate. World class engineering and advanced material science creates a new window standard for performance, economy, strength and efficiency.

-Offered with or without integral nail fin.

Integral accessory groove to receive exterior & interior trim accessories.

Rounded edges create a stunning window appearance with superior paint and lamination adhesion.

Multiple internal chamber placement designed for superior structural and thermal performance.

Patented bulb seal design location for tight compression fit at head reduces air infiltration and saves energy.

Anti-drift design keeps top sash in place when operating primary lower sash.

Dual and triple glazing options from nominal 3/4" to 1 1/8" for maximum energy savings in all glass configurations.

Low profile tilt latch for easy tilt-to-clean.

Duralite Insulated Glass Spacer technology for highest possible energy savings.

-Optional composite thermal reinforcement available for higher structural loads

Continuous InterLock promotes security and structural strength.

Full width lock rail weather stripping to virtually eliminate air infiltration and save energy.

-Telescoping/welded true sloped sill detail for outstanding structural/water and thermal performance.

Triple weather seal keeps out air, water, and saves energy.

Patented Storm InterLock design for maximum structural performance.

# InSight - A New Generation of Vinyl Windows

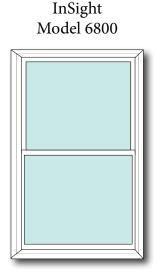
- **Up to 14% more glass and light** than many traditional wood and vinyl windows.
- Over 20% more vinyl by weight than many typical vinyl double hung windows.
- Extreme energy efficiency.
- Extreme structural strength, base window includes PG-40 structural and water rating on double hung gateway test size of 40" x 63" withstands wind driven rain and winds to 127 mph.
- Minimal air infiltration saves energy and keeps home comfortable.
  Up to 15 times less air leakage than ENERGY STAR qualification.
- Stunning appearance from both inside and outside the home.
- Three interior laminate woodgrains available.
- Unlimited exterior paint colors.

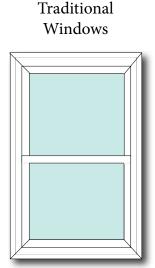


# More Window

# More Glass + More Light + More Air = More Window!

The InSight Model 6800 has a narrow design for more glass, ventilation and light. The jamb and sash projections are uniquely expanded slightly toward the exterior which provide extreme thermal and structural integrity.





### Structural Integrity

With optional thermal reinforcement the InSight double hung meets a PG-55 rating at wind/rain speed of 148 mph. The addition of modified thermal reinforcement and locks and tilt latches achieves a Commercial Rating of C-55 on a 48" x 80", and a Commercial Rating of C-35 was earned on a massive 56" x 91" double hung window size.

# Styles - Double Hung

Interstate's InSight double hung windows clearly redefine the meaning of traditional craftsmanship coupled with unparalleled performance. The most recent creation by our vastly experienced design team, the InSight window system exceeds the expectation of years past while raising the bar for thermal and structural performance into the future. Interstate Window & Door Company will put your mind at ease when cost vs. value, along with comfort and longevity are the most important criteria for your project.

#### **DOUBLE HUNG** windows are the most popular window style.

- Both sashes open & close; tilt and lift out for easy cleaning.
- Hybrid true slope sill design for improved water management allowing for high volume water run off and enhanced by a projected drip edge.
- Light Lift® SP Sash Balance System for easy opening and closing.
- Night latch restrictors for ventilation.
- Recessed tilt latch design for smooth and even sash finish.
- Strong, attractive, easy operating and high performing lock.
- Exceptionally low air infiltration of .05 cubic feet per minute (cfm/ft²) for energy savings with minimal effort to open and close.







# $\begin{array}{c} LIGHT\text{-}LIFT^{\text{\tiny TM}}\,SP \ \ \text{(Superior Performance)} \\ Window \, Sash \, Balance \, \, System \end{array}$

- $\bullet$  Smooth and silent operation sashes glide up and down with ease.
- Enables full egress without limiting sash travel.
- Interlocking pivot bar for a higher structural performance rating.
- Stainless steel coils won't rot and last a lifetime.



# Styles - Slider & Picture Windows





**SLIDER** windows are similar to double hungs but sashes move from side to side. Select 2 sash or 3 sash sliders.

- Both sashes glide from side to side and lift out for easy cleaning.
- Strong, attractive, easy operating and high performing lock.
- Weather resistant nylon glides allow the sash to move smoothly and quietly.
- Outstanding air infiltration of .07 cfm/ft<sup>2</sup> for energy savings.



#### **PICTURE WINDOWS** are fixed rather than made to be opened & closed and come in different styles:

- Direct Set same sight lines as a stand alone InSight window. Use with snap on mullions.
- Double Hung Sash Insert use in combination with InSight double hungs with continuous head and sill.
- Fixed Casement Sash Insert use in combination with InSight Casement/Awning windows with continuous head and sill.



# Styles - Casement & Awning

# Styles - Shapes & Patio Doors



#### **CASEMENT** windows provide full ventilation.

- Can be easily cleaned from the inside when cranked out to 90 degrees.
- Full TrueView FlexScreen included for perfect fit and easy installation and removal.
- Strong, attractive locks and cranks for easy operation and high performance.
- Incredible air infiltration of .02 cfm/ft<sup>2</sup> for energy savings and comfort.







#### **AWNING** windows keep out the rain.

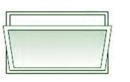
- Awning windows are hinged on top and open out.
- Strong, attractive locks and cranks for easy operation and high performance.
- Full TrueView FlexScreen included for perfect fit and easy installation and removal of screen.
- Exceptional air infiltration of .02 cfm/ft<sup>2</sup> for energy savings.

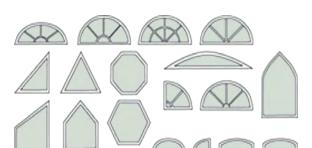




#### **HOPPER with DRYER VENT**

- Hopper window with fixed insulated panel in continuous head and sill frame allows light and ventilation.
- Factory mounted dryer vent with interior tube and exterior cover.
- Insulated panel is 1" thick, foam filled, interior/exterior stucco embossed aluminum with painted finish applied to tempered hardboard.
- Available without dryer vent as a stand alone basement hopper.





#### SPECIAL ARCHITECTURAL SHAPES are

uniquely designed with extreme structural integrity.

- Circle Top
- Circle Top with Extended Legs
- Eyebrow
- Eyebrow with Extended Legs
- Half Eyebrow
- Half Eyebrow with Extended Legs Octagon
- Quarter Arch
- Quarter Arch with Extended Legs
- Full Circle
- Oval
- Ellipse

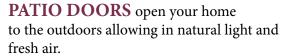
- Cathedral
- Cathedral with Extended Legs
- Trapezoid
- Triangle 90°
- Triangle Equilateral & Custom
- Octagon with Extended Legs
- Hexagon
- Hexagon with Extended Legs
- Pentagon Left & Right
- Peak Pentagon







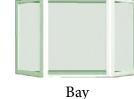




- Kevlock.
- Optional footlock.
- Precision bearing rollers.
- 2, 3 and 4 panels available.
- Extruded screen.
- Field reversible.
- Available in sizes up to 16' wide and 8' high.





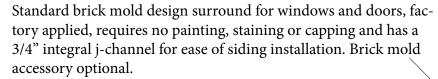


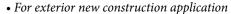
BOWS & BAYS are elegant windows that add light and sun

- All plywood insulated head and seat board in birch, oak or maple.
- Sill has a unique weep system that assures complete moisture and
- Turnbuckle support kit includes chain, turnbuckles and hooks recommended for added strength.
- Low pressure polyurethane foam sealant between struts for best thermal performance.
- Available with stain matching head, seat board and edge banding.
- Fully assembled shell.
- Windows are purchased and easily installed separately into frames. 7

# Accessories/Options

### Small Brick Mold Accessory





• Available in 16' uncut lengths



### Large Brick Mold Accessory



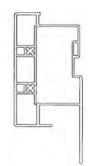
Offers a large traditional brick mold frame design surround for windows and doors which requires no painting, staining or capping and is applied after installation of the window. It offers a 3/4 inch integral j-channel for siding application.

- For exterior new construction application
- Available in 16' uncut lengths





### 3½" Large New England Casing Accessory



A classic colonial exterior window frame surround kit applied over the installed vinyl window, this pre-welded picture frame fits over the exterior projected frame and nail fin completing an old-world look. It offers a 3/4 inch integral j-channel for siding application.

- For exterior new construction application
- Available in 16' uncut lengths



### Dry Wall Return - Interior Accessory



Accepts 1/2" to 5/8" drywall

Factory applied accessory accepts 1/2" to 5/8" drywall to assure a quality and consistent drywall finish application.

- For interior new construction application
- Available in 16' uncut lengths



#### Continuous Head & Sill

Allows for multiple unit windows to be factory mulled to offer a more stable, structural, weather tight unit for installation, as well as smooth horizontal lines and common vertical mullions.

• For replacement and new construction applications



# Insulated Glass - The Interstate Difference



Bringing Glazing Technology to a Whole New Level

### InDuraClean Water Filtration System:

- Sophisticated multistage water purification system eliminates over 90% of tiny particles assuring sparkling clean glass units.
- Ionized water is subjected to ultraviolet lighting to kill bacteria.
- Exceptionally clean glass, minimal detergent use, and glass panes that aggressively adhere to the DuraLite spacer for the very best insulated glass seal.
- Minimal water usage to conserve natural resources.

### InDuraClean Glass Sealing Clean Room:

- Air entering the clean room is filtered to remove dust and other pollutants, keeping the washed glass exceptionally clean.
- Technicians wear specialized gloves and surgical masks to prevent finger prints and contamination of the insulated glass units.
- Positive pressurization forces filtered air from the clean room, eliminating potentially dusty regular plant air from entering.
- Climate controlled for optimal air temperature application of DuraLite insulating glass spacer while keeping technicians cool and comfortable.
- Air is dehumidified to assure the perfect humidity levels, providing the best insulated glass seal possible.

### OptiGas® Fill Equipment:

- Interstate has a 95% argon/krypton gas fill rate—an industry best.
- The OptiGas advanced, precise gas filling system allows individual insulated glass units to reach optimal energy saving U-factors.
- OptiGas measures the actual amount of argon or krypton gas flowing into each insulated glass unit to precisely control the gas fill, assuring optimal thermal performance and energy efficiency.





InDuraClean Water Filtration System



InduraClean Glass Sealing Clean Room

**OptiGas** 



# Superior Performance

# Superior Performance

# Glass Packages - Extreme Energy Savings



Standard Whole Window NFRC\* Certified Dual Energy Saver Glass Package Nominal 3/4"

U-Factor: Double Hung & Slider-.26 Low E + clear; argon

With Energy Saver IS - .23  $Low\ E + Low\ E$  inside surface; argon

**U-Factor:** 

Casement & Awning - .24 With Energy Saver IS - .21 With Triple Fuel Saver - .18 With Triple Fuel Saver Plus - .15



1 1/8"

Standard Whole Window NFRC\* Certified Triple Glazed Glass Packages Nominal 1 1/8"

**Triple Fuel Saver U-Factor:** Double Hung & Slider- .20 Low E + Low E + clear; argon + argon

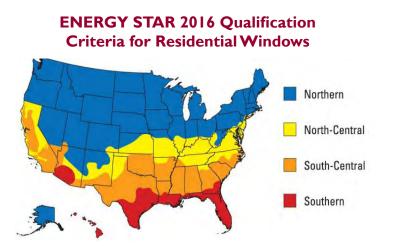
**Triple Fuel Saver Plus U-Factor:** Double Hung & Slider - .17 Low E + Low E + clear; argon + argonand/or krypton



\*National Fenestration Rating Council - Use **only** NFRC values for comparison. Do not be fooled by "center of glass" U-Values.

## Most Efficient Window

The InSight Model 6800 is engineered to meet the criteria for the new ENERGY STAR® Version 6.0 and beyond as well as its "Most Efficient Window - Best of the Best" designation by far outperforming standard ENERGY STAR requirements.



Climate Zone	U- Factor <sup>1</sup>	SHGC <sup>2</sup>	
Northern*	≤ 0.27	Any	Prescriptive
	= 0.28	≥ 0.32	Cardinalant
	= 0.29	≥ 0.37	Equivalent Energy Performance
	= 0.30	≥ 0.42	
North- Central	≤ 0.30	≤ 0.40	
South- Central	≤ 0.30	≤ 0.25	
Southern	≤ 0.40	≤ 0.25	



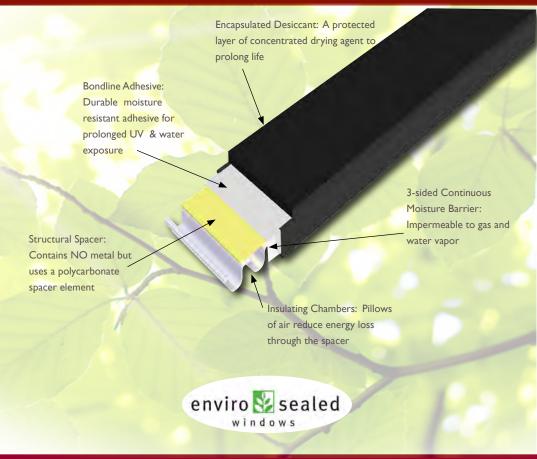
A new distinction that recognizes products that deliver cutting edge energy efficiency along with the latest technological innovation. It is an award that truly represents the very best of ENERGY STAR. All styles of InSight 6800 windows with Triple Fuel Saver and Triple Fuel Saver Plus glass earn the coveted ENERGY STAR Most Efficient mark for 2016.

### Duralite™ Spacer

Interstate's Duralite Spacer System insulates the edge of glass better than any other foam or metal spacer. It is hollow, trapping air for maximum thermal performance and creating the lowest U-value available.

InSight Model 6800 windows have been designated as "Envirosealed" windows through the use of the Duralite Spacer System technology, which saves energy, saves money and helps to save the environment.







Patented bulb seal design for tight compression fit and patented storm InterLock design for maximum structural performance.

# Air Infiltration



**ENERGY STAR Qualification** 0.30 cfm/ft<sup>2</sup>

Air Leakage measures how much outside air comes into a home or building through a product. The lower the air infiltration, the better a product is at keeping air out and saving energy.

Source: http://www.nfrc.org/WindowRatings/Energy-Ratings

### **Exceptional Air Infiltration Numbers**



InSight 6800 Double Hung  $0.05 \text{ cfm/ft}^2$ 

InSight Double Hung achieves 6 times LESS air leakage than **ENERGY STAR Qualification with** minimal effort to open and close!



InSight 6800 Casement 0.02 cfm/ft<sup>2</sup>

InSight Casement achieves 15 times LESS air leakage than **ENERGY STAR Qualification!** 

Color ~ Paint & Laminates



# A SPECTRUM OF COLORS Inside and Out

#### PAINT FINISHES 15 Stock Exterior Colors\*





























#### CUSTOM PAINT FINISHES Unlimited Color Match Exteriors

Custom blended colors available to suit your design needs, limited only by your imagination!





Winchester Light Oak Interior Laminate with Brushed Nickel Hardware, Decorative Glass and FlexScreen



3 Stock Interior Laminate Woodgrains\*

Innovative laminate color and finish solutions.



Standard Interior & Exterior

Solid Vinyl Colors\*



Light Oak-211



Dark Oak-273 Cherry-274

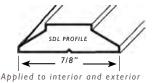
### GRID CHOICES

Internal grids will give your InSight Model 6800 windows the look and feel of true divided lite windows without the hassle! Because they're between glass panes, these grids allow for easy window cleaning. Our beautiful grids are available in both contoured or flat design and in several distinctive patterns.

We also offer Simulated Divided Lites (SDLs) which are permanently adhered to the glass panes inside and out and are designed to look like a true multi-paned window.

# Grids Between Glass Flat Optional 1"

Simulated Divided Lites



glass surfaces creating Simulated Divided Lites (SDLs)



Black flat bar between glass can be installed when using SDLs to create additional depth and appearance of true divided lites.

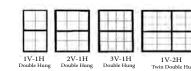
#### GRID SUGGESTIONS

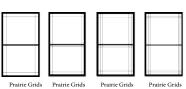
Contour

Simulated

(SDLs)

Divided Lites





# In Sight Model 6800 Grids: - Flat Grids

- White
- Clay
- Bronze Exterior/White Interior
- Custom Painted

#### - Contoured Grids

- White
- Bronze Exterior/White Interior
- White Exterior/Woodgrain Laminate Interior

#### - SDLs (Simulated Divided Lites)

- White (exterior & interior)
- Clay exterior/White interior
- Bronze exterior/White interior
- White exterior/Woodgrain Laminate Interior
- · Removable Grids with Frame Surround, interior mounted
- Custom Painted
- \* Only Flat and exterior Simulated Divided Lites can be custom painted.





<sup>\*</sup> Due to printing limitations, all colors and finishes shown are approximate.

# Hardware

# Interstate History

#### HARDWARE CHOICES

All InSight Model 6800 windows come standard with the industry's finest hardware system. The operators, locks, and hinges have all been developed to work together to meet or exceed industry performance requirements.



### Double Hung Locks\*

### Casement/Awning Cranks\*









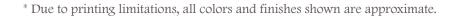






White Clay Bronze

Casement/Awning Locks\*



# TrueView FLEXSCREEN

### The world's first flexible window screen!

Standard on all InSight casement, awning and painted windows. Available option on double hung and sliding windows.



- Eliminates bowed and improper screen fit.
- Effortless installation and easy removal.
- Eliminates unsightly screen frame lines.



The Beginning: In 1938, Joseph Pupa Sr. founded Interstate Home Improvement Company in Wilkes-Barre, PA, and began providing quality building materials to Northeast Pennsylvania. He believed that superior customer service and employee values should be the focus for building his company's reputation. With the strength built on those values, he passed the torch to his son, Joseph Pupa, Jr. who then passed it to his son, Joseph Pupa III.



the InSight Model 6800 window.

Building a Solid Company: Friends for over 50 years, Interstate's President, Joseph Pupa III and Interstate's Vice President, Donald Montini worked together to build a window manufacturing company. Interstate Window & Door Co. began in 1983. We were the first window company to launch a vinyl window for the new construction market, and the first to offer a snap-on j-channel. In 2008 Interstate launched our exclusive CompositWood® window line, and now, in 2016, a new line of energy optimized vinyl windows delivering the best energy performance, structural performance, innovative design and high efficiency -

Window Plant 2016

In 1986 Interstate donated vinyl windows to the Statue of Liberty restoration project. We continually stay above the curve in manufacturing technology and are a proven company that manufactures products engineered to last.

Interstate is large enough to buy right and manufacture cost effectively, but small enough to deliver unique, innovative, outstanding products backed by exceptional personalized customer service the "big guys" can't or won't provide. We like it this way . . . and so will you!



# Awards & Affiliations

#### INTERSTATE AWARDS

- Certificate of Special Recognition for Product Innovation United States Senate
- Citation from Senate of Pennsylvania for Product Innovation
- Citation from Pennsylvania House of Representatives for Product Innovation
- Manufacturing Excellence Award Pennsylvania Manufacturers' Association
- Northeast Pennsylvania Manufacturers & Employers Association Award for Excellence in Product Innovation
- National Association of Manufacturers Excellence Award for Product Innovation

#### INTERSTATE AFFILIATIONS













#### SOCIAL MEDIA









### STRUCTURAL & THERMAL INTEGRITY

All InSight windows are independent laboratory tested for air infiltration, structural strength and thermal quality, and then 3rd party certified assuring every InSight window is actually manufactured exactly as laboratory tested.

