

# CompositWood®

BY INTERSTATE

*The Next Generation of Windows*



WINDOWS ENGINEERED  
TO LAST *Beautifully.*



# It's a New Chapter in the History of Windows...



CompositWood<sup>®</sup>  
BY INTERSTATE

CompositWood, the next generation of windows, is a revolutionary material blended with timeless design that surpasses the ambitions of even the most well known window manufacturers.

## WHY COMPOSITWOOD?

Nothing defines a home like the elegance and warmth of wood windows, but the maintenance problems and expenses associated with wood are simply overwhelming.

Metal and vinyl clad wood windows were only partial solutions. In the industry-wide pursuit of window excellence, CompositWood is the answer.

*Revolutionary*  
*Beautiful*  
*Efficient*  
*Timeless*





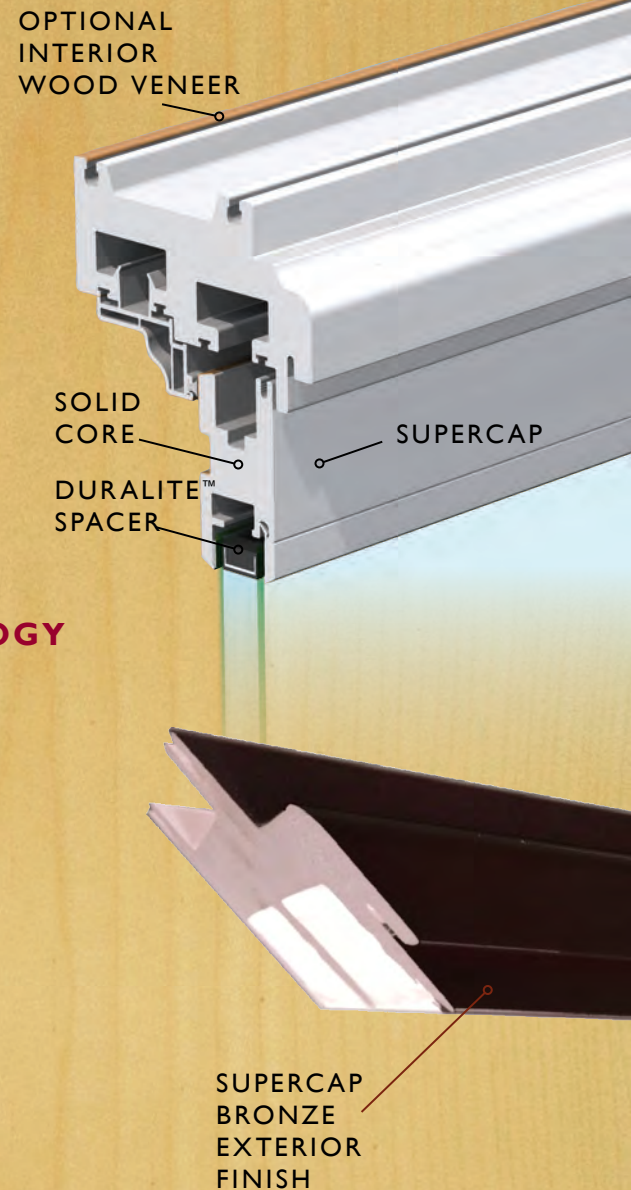
## WHAT IS COMPOSITWOOD®?

CompositWood is made from a proprietary mix of specialty polymer and acrylic resins, creating an “engineered composite”, super tough, solid core material. A permanent color surface technology called “SuperCap™” is fused to the core materials during the extrusion process.

**CompositWood is simply the best window you can buy.** It provides the warmth of a finely milled wood window without the problems associated with wood.

## EXCLUSIVE SuperCap™ SURFACE TECHNOLOGY

SuperCap, a permanent pre-finished surface has over 4 years of extreme outdoor sun exposure testing in Florida and Arizona. A lifetime of virtually no-maintenance benefits, SuperCap keeps windows and doors looking good over time. The cap brings protective ingredients to the profile surface, where they provide superior weathering performance.





# CompositWood® Windows Make Good Sense.



## ADVANCED TECHNOLOGY PROVIDES SUPERIOR ENERGY-EFFICIENCY, COMFORT AND DURABILITY

CompositWood windows offer superior performance because they combine the latest in composite material technology with the best performing glass options. The CompositWood material combines the beauty of wood with superior, rot-proof durability and no-maintenance attributes of vinyl. It's a superior insulator compared to fiberglass, wood or aluminum. Combine this advanced material with the highest performing glazing, and you get greater energy savings, comfort, and durability over the long run.

### WEATHERABILITY

*CompositWood consists of a proprietary blended material that provides the beauty of wood with the weatherability and low maintenance advantages of a composite.*

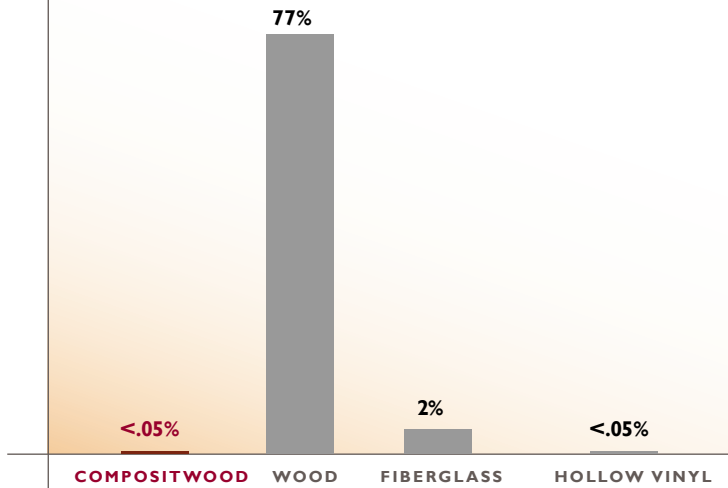
*The SuperCap outer shell is bonded to the solid composite core during extrusion for superior strength and durability.*



- Thermally superior composite material reduces energy-transfer better than wood, vinyl, fiberglass, and aluminum
- More energy-efficiency means greater savings on monthly heating & cooling costs
- Available with highest-performance glass system for maximum savings
- Surpasses ENERGY STAR® energy performance criteria
- CompositWood windows have multiple weather-strip paths with a unique beveled compression-sealed sash and jambs designed to reduce air infiltration
- More comfort - without air drafts you stay warmer in winter, cooler in summer
- Classic wood window design enhances the value and beauty of your home - inside and out
- Premium performance hardware ensures easy cleaning and operation



## MOISTURE ABSORPTION BY WEIGHT

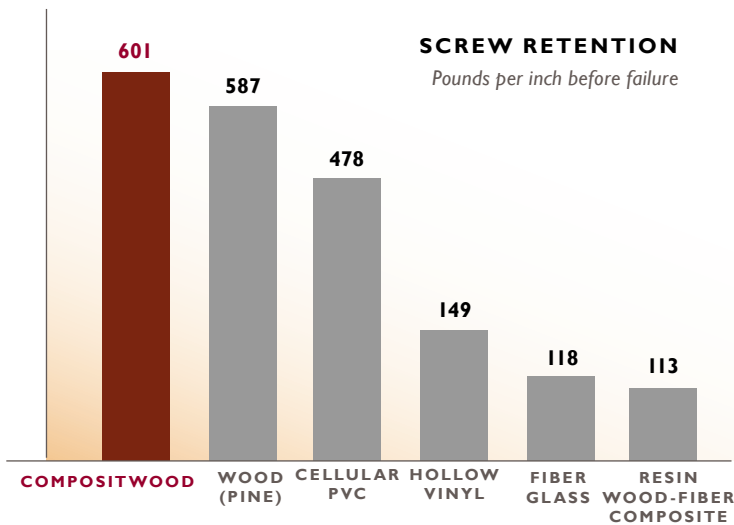


## IMPERVIOUS TO MOISTURE, ROT AND INSECT FREE

CompositWood® can't absorb moisture so your windows will be rot and insect-free forever. They are also impervious to salt air and corrosion making CompositWood windows an ideal solution for coastal environments.

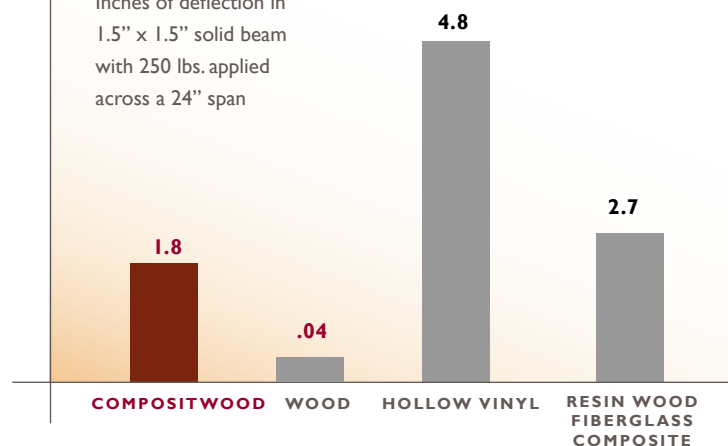
## SCREW RETENTION

*Pounds per inch before failure*



## SOLID BEAM DEFLECTION

Inches of deflection in 1.5" x 1.5" solid beam with 250 lbs. applied across a 24" span



## SUPERIOR STRENGTH AND DURABILITY

With CompositWood windows you will never have to worry about cracking, peeling, chipping, flaking or chalking. Your windows will withstand virtually any climate and have exceeded industry standards in structural stability and heat resistance testing.

In independent lab testing, CompositWood is 2.7 times stiffer than hollow PVC, and as measured by screw retention, CompositWood is over 500% more secure than fiberglass and 400% better than hollow vinyl.



# COMPOSITWOOD® STACKS UP



## DESIGNED TO LAST



CompositWood® provides superior performance on many levels. Because of its unique solid core structure encapsulated with a rigid pre-finished SuperCap™ surface, it has the lowest thermal conductivity

compared to other typical window frame materials.

CompositWood can be chemically or fusion welded to create superior, weather-proof joints - unlike fiberglass, aluminum or wood that require mechanical fastening and sealants that can fail over time. And because of its chemical makeup, the material is readily recyclable for future reuse.

## BACKED BY A LIFETIME WARRANTY

Interstate's CompositWood® windows are lifetime warranted against defects in material and workmanship under normal use and service.

## COMPARE COMPOSITWOOD TO OTHER WINDOW MATERIALS

	CompositWood®	VINYL	WOOD	FIBERGLASS	ALUMINUM
Lowest Material Thermal Conductivity (as defined by K-value)	X				
Best Overall Window Energy-Efficiency*	X				
Impervious to Moisture, Rot, Insects	X	X		X	X
Water Absorption (absorbs less than 1% of weight)	X	X			X
Corrosion-Proof Material	X	X			
Chemically or Heat Welded Corners for Superior Weatherproof Joints	X	X			
Non-Painted Finish Durability	X	X		X <sup>+</sup>	
Superior Screw Retention	X		X		
Recyclable	X	X			X

\*Comparison of NFRC U-factor and material K-value

<sup>+</sup> If painted surface is removed, underlying material degrades



# AND LIVES UP TO A PROMISE

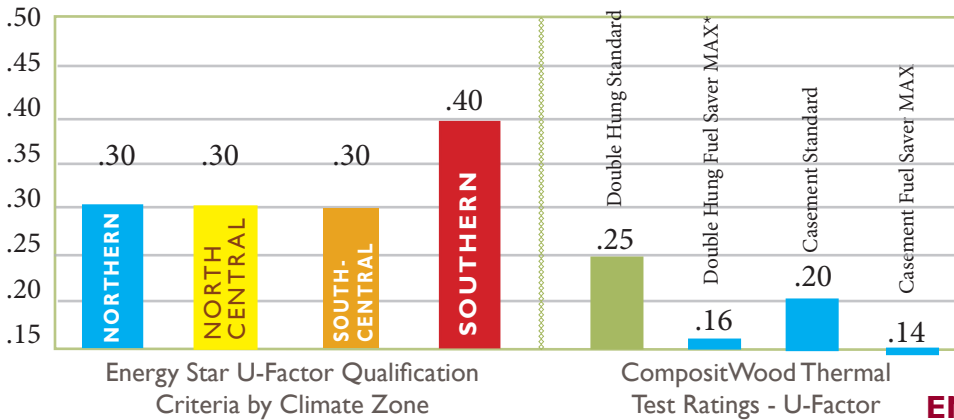
## EXTREME ENERGY EFFICIENCY

With high thermal performance values, all CompositWood® windows far exceed Energy Star criteria. Our products are AAMA and NFRC certified, then independently 3rd party verified to further ensure they meet or exceed industry structural and energy efficiency standards.

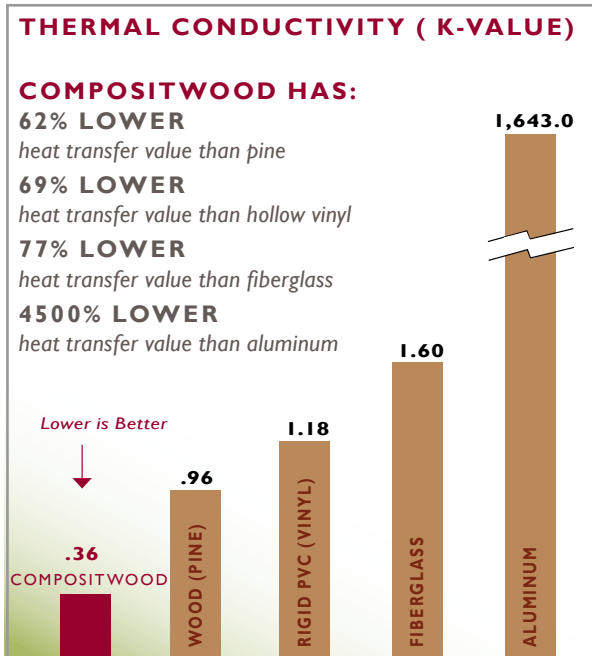
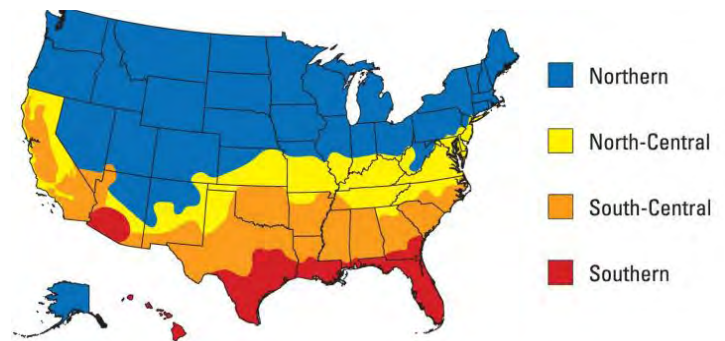
CompositWood windows can more than DOUBLE the Energy Star U-factor insulating efficiency value of the most extreme northern climate, and exceed by over FOUR TIMES the Energy Star U-factor window insulating qualification for the southern climate zone.

**U FACTOR:**  
Measures the rate of window heat transfer.  
The lower the U Value, the better the window insulates.

Lower is Better ↓



## ENERGY STAR 2016 Qualification Criteria for Residential Windows



**K-VALUE:** Measures the ability of a material to allow the flow of heat from its warmer surface through the material to its colder surface. The lower the K-Value, the better.

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

Air Leakage ≤ 0.3 cfm/ft<sup>2</sup>

The effective date for the Northern Zone prescriptive and equivalent energy performance criteria for windows is January 1, 2016.

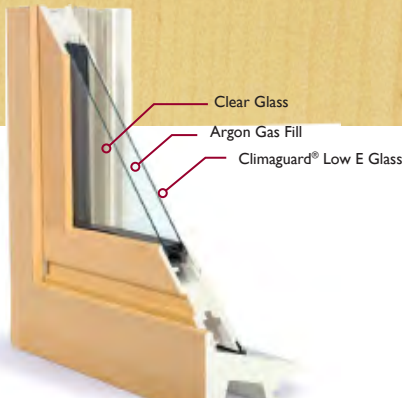
COMPOSITWOOD®

# Glass Package Options

INCREDIBLE THERMAL VALUES

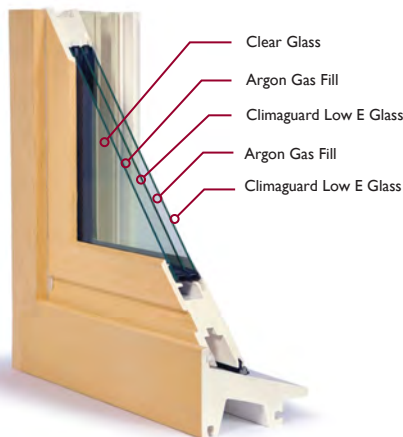


\* Products that are recognized as the Most Efficient of ENERGY STAR in 2015 meet rigorous energy efficiency performance levels set by the U.S. Environmental Protection Agency. CompositWood has been awarded the ENERGY STAR Most Efficient mark for 2015.



## STANDARD

- Double Pane with Duralite™ Spacer and Climaguard Low E glass and Argon gas in the chamber
- U-factor:
  - .25 - Double Hung
  - .23 - Casement, Awning
  - .21 - Double Hung w/additional Low E on interior surface
  - .20 - Casement, Awning w/additional Low E on interior surface \*



## FUEL SAVER™

- Triple Pane with Duralite™ Spacer and 1" insulated assembly with 2 panes of Climaguard Low E glass and Argon gas in both chambers
- U-factor:
  - .19 - Double Hung \*
  - .16 - Casement, Awning \*

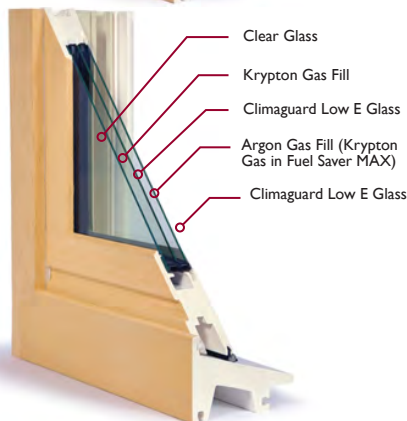
## FUEL SAVER PLUS™ & FUEL SAVER MAX

### FUEL SAVER PLUS

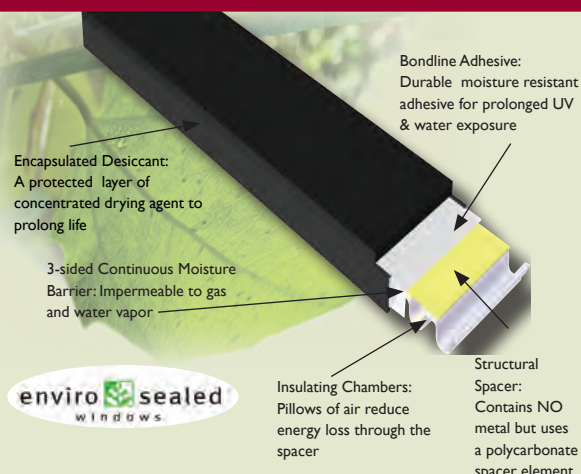
- Triple Pane with Duralite™ Spacer and 1" insulated assembly with 2 panes of Climaguard Low E glass, Krypton gas and Argon gas.
- U-factor:
  - .17 - Double Hung \*
  - .15 - Casement/Awning \*

### FUEL SAVER MAX

- Triple Pane with Duralite™ Spacer and 1" insulated assembly with 2 panes of Climaguard Low E glass and Krypton gas
- U-factor:
  - .16 - Double Hung \*
  - .14 - Casement/Awning \*



All CompositWood Window ratings far exceed ENERGY STAR® requirements.



## DURALITE™ SPACER

Our Duralite Spacer System insulates the edge of glass better than a solid foam or metal spacer. It is hollow, trapping air for maximum thermal performance. The patented air pocket design creates the lowest U-value available.

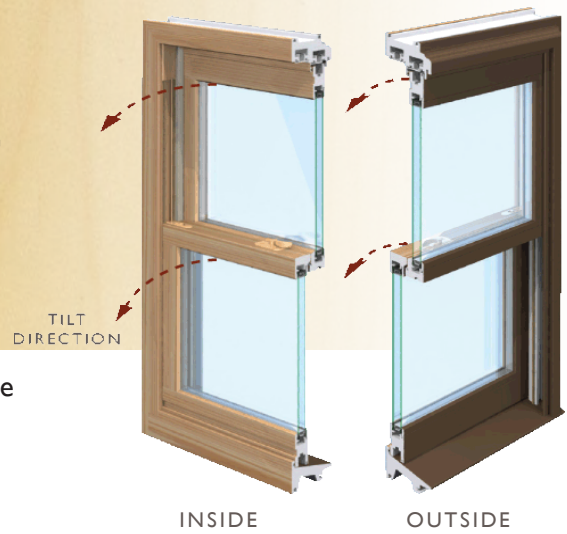
CompositWood windows have been designated as "Envirosealed" windows through the use of the Duralite Spacer System technology, which saves energy, saves money and helps to save the environment.



## WINDOW STYLES

# Tilt-In Double-Hung

- Classic wood window designed frame and sash for added elegance
- Solid core frame and sash for superior thermal performance and strength
- True sloped sill for fast water run-off and easy cleaning
- An off-set compression sash design for air-tight seal and added security. Light Lift™ II balances for easy opening and closing
- Integral off-set balance pockets and multiple weather-strip paths to reduce air infiltration
- Tripled-secured sash & frame corners: mortise & tenon joined and chemically or fusion-welded sash, fusion-welded frame, stainless-steel screw fastened
- Tilt in sashes for easy cleaning from inside your home



## LIGHT-LIFT™ II

### Window Sash Balance System

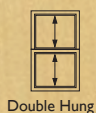
CompositWood double-hung windows are built exclusively with the *Light-Lift II Window Sash Balance System*. Light-Lift II insures consistent, easy-to-manage tension whether opening or closing. It has built in dust plugs which help keep coils free of dust and debris and also act as weatherstripping, for additional energy efficiency.

- Smooth and silent operation - sashes glide with ease.
- Enables full egress without limiting sash travel.
- Interlocking pivot bar options for a higher structural performance rating.
- Higher weight carrying capacity - up to 80 pounds!

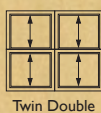


*"You've Got to Lift It to Believe It!"*

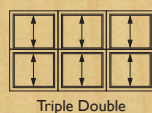
### Double Hung Configuration Possibilities >>



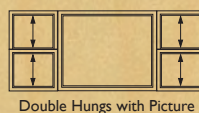
Double Hung



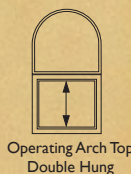
Twin Double Hung



Triple Double Hung



Double Hungs with Picture



Operating Arch Top Double Hung

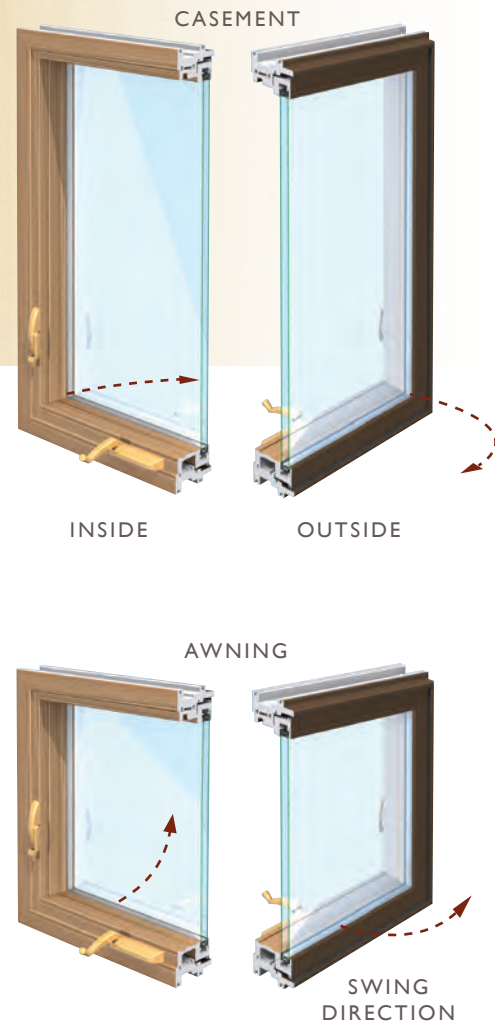


Double Hungs with Picture & Half Round

## WINDOW STYLES

# Casement & Awning

- Classic wood casement window designed frame and sash for an elegant appearance
- Solid core frame and sash for superior thermal performance and strength
- An off-set compression seal design and multipoint sash locking hardware for incredible air-tight performance and added security
- Triple-secured sash & frame corners: mortise & tenon joined and chemically or fusion welded sash, fusion-welded frame, stainless-steel screw fastened
- Aesthetically pleasing low profile folding handle does not interfere with window blinds, concealed hinge hardware
- Inside mounted weather-stripped screen system deters insects
- 90° sash pivot for easy cleaning from inside your home



Casement and Awning Configuration Possibilities >>





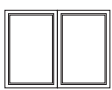
## WINDOW STYLES

# Horizontal Slider

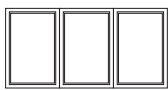


- Classic wood window designed frame and sash for added elegance
- Solid core frame and sash for superior thermal performance and strength
- An off-set compression sash design for air-tight seal and added security.
- Multiple weather-strip paths to reduce air infiltration
- Tripled-secured sash & frame corners: mortise & tenon joined, fusion welded frame, stainless steel screw fastened
- Lift-out sashes for easy cleaning from inside your home

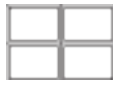
Slider Configuration Possibilities >>



Dual Slider



Slider+Picture Window+Slider



Stacked Sliders



Slider+Picture Window+Slider with Triangles

## WINDOW STYLES

# Picture Windows



INSIDE OUTSIDE  
NARROW FRAME DIRECT SET DESIGN



INSIDE OUTSIDE  
FIXED CASEMENT SASH INSERT DESIGN



INSIDE OUTSIDE  
DOUBLE HUNG SASH INSERT DESIGN\*



- Solid core frame and sash for superior thermal performance and strength
- Select from 3 picture window designs: Match your operating window styles and sightlines with Double Hung Sash Insert\* or Casement Sash Insert. Or maximize your view of the outside world with a very Narrow Frame Direct Set design
- Tripled-secured corners: mortise & tenon joined and chemically or fusion welded sash, fusion-welded frame, stainless-steel screw fastened

\*Double Hung Sash Insert not available in Bronze SuperCap or Custom Painted Exterior.

Picture Window Configuration Possibilities >>



Single Picture



Twin Picture



Triple Picture



Twin Stacked



Half Round with Extended Legs



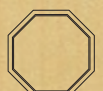
Triangle



Trapezoid



Hexagon



Octagon



## DOOR STYLES

## *Architectural Series*

# Rolling Patio Door



- Deluxe handset with keylock
- Two-Point stainless steel locking mechanism
- Extruded heavy duty aluminum rolling screen with recessed auto lock
- Precision bearing stainless steel rollers and stainless steel door latch
- Composite/aluminum sill with full thermal break
- Folding factory applied nail fin
- Limited Lifetime Warranty.



## NEW FOR 2016!

## *Architectural Series*

# Swing Door

- Endur Spacer
- Dual Glazed
- In swing/Out swing and French door styles
- Rain Glass (optional)
- TRUTH Stainless Steel Hardware
- Deluxe handset with keylock.



*Revolutionary • Beautiful  
Efficient • Timeless*



## WINDOW STYLES

# Bays & Bows



BAY STRUCTURE

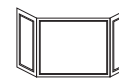


BOW STRUCTURE

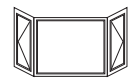
- 3/4" #1 Eastern White Pine struts allow for unlimited angles from 0 to 55 degrees on bows
- Two interior finishes - all wood or vinyl mullions, end fillers, and stops
- User friendly installation
- 1/4" all-threaded steel rods between struts tie head and seat boards together for added strength
- Foam sealant between struts for added energy efficiency
- Maintenance free vinyl-clad exterior – available in white, adobe, bronze and custom colors



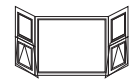
### Bay & Bow Configuration Possibilities >>



Picture Bay



Picture Bay with Casements



Picture Bay with Awnings



OPTIONAL COPPER ROOF

## COMPOSITWOOD®

# Grid Options

Grids add a distinctive look to your home's curb appeal. Grids Between Glass (GBGs) afford easy cleaning. Simulated Divided Lites (SDLs) are permanently adhered to the glass panes inside and out and are designed to look like a true multi-paned window.



Colonial Flat (GBGs)



Simulated Divided Lites (SDLs)

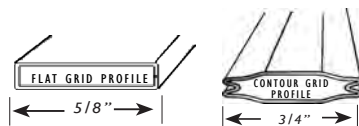


Colonial Contour (GBGs)

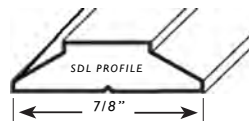


Polished Brass (GBGs)

### Grids Between Glass



### Simulated Divided Lites



Applied to interior and exterior glass surfaces creating Simulated Divided Lites (SDLs)



Black flat bar between glass can be installed when using SDLs to create additional depth.

### CompositWood Grids:

- Flat Colonial
  - White
  - Adobe
  - Bronze Exterior/White Interior
  - Custom Painted
- Contoured Colonial
  - White
  - Adobe
  - Bronze Exterior/White Interior
- Polished Brass Colonial
- SDLs (Simulated Divided Lites)
  - White (exterior & interior)
  - Bronze exterior/White interior
  - White exterior/Pine Interior
  - Removable Grids with Frame Surround, interior mounted
  - Custom Painted

\* Only Flat and exterior Simulated Divided Lites can be custom painted.

### Check Rail

A 2-inch wide Simulated Divided Lite installed on exterior and interior glass surfaces of Casement or Picture windows, creates the appearance of Double Hung windows.



Exterior SDLs are not available with Fuel Saver glass package.

# Colors & Finishes That Beautify

## COLOR CHOICES Inside and Out

Inside, select solid SuperCap® white or CompositWood's Eastern pine veneer that can be stained or painted to suit your needs. Outside, choose from SuperCap white or SuperCap bronze (white interior); 14 in-stock factory painted colors; over 30 special order colors; and virtually unlimited custom matched colors (15-year paint warranty).

## SUPERCAP FINISHES In-Stock Colors\*



SuperCap White interior  
SuperCap White exterior



Eastern Pine interior  
SuperCap White exterior



SuperCap White interior  
SuperCap Bronze exterior

## CUSTOM PAINT FINISHES 34 Special Order Exterior Colors:\*

Victorian Grey	Wicker	Sage	Silver Grey	Classic Cream	Cameo	Harbor Grey	Scottish Thistle
Tuscan Olive	Sandtone	Desert Sand	Almond	Linen	Colonial Yellow	Everest	Pebblestone Clay
Timber Stone	Cape Cod Grey	Aspen Grey	Russet Red	Deep Granite	Portsmouth Blue		
American Walnut	Glacier Blue	Terra Cotta	English Wedgewood	Quiet Willow	Lakeshore Fern		
Natural Cedar	Woodland Green	Autumn Gold	Rugged Canyon	Montana Suede	Hazelwood		

Match or co-  
ordinate with  
34 Mastic®  
vinyl siding  
colors!

**CUSTOM PAINT FINISHES**  
Unlimited Color Match Exterior Colors  
Custom blended colors available to suit your  
design needs - limited only by your imagination!

## CUSTOM PAINT FINISHES 14 In-Stock Exterior Colors\*



\* Due to printing limitations, all colors and finishes shown are approximate.



Interstate's state-of-the-art paint room



# COMPOSITWOOD® Hardware Options



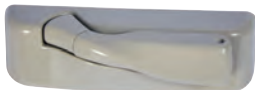
## BUILT TOUGH

All CompositWood 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. CompositWood utilizes only the strongest, most attractive, easiest operating and highest performing hardware available in today's market.

## CASEMENT/AWNING WINDOW CRANKS



White



Adobe



Brushed  
Nickel



Bronze



Brushed  
Brass

## SLIM LINE CASEMENT/ AWNING LOCKS

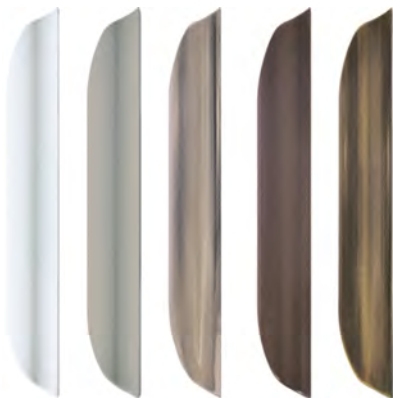


Above: White applied lift handle on white double hung

Right and top right: Double Hung with Eastern Pine interior, Cherry stain, Adobe cam lock.



## DOUBLE HUNG APPLIED HANDLE



White Adobe Brushed Nickel Bronze Brushed Brass

## DOUBLE HUNG CAM LOCKS



White



Bronze



Adobe



Brushed  
Brass



Brushed  
Nickel

Brushed Nickel case-ment lock on stained pine CompositWood window



\* Due to printing limitations, all colors and finishes shown are approximate.





## AFFILIATIONS



The National Fenestration Rating Council is a non-profit organization created by the window, door and skylight industry. It is comprised of manufacturers, suppliers, builders, architects and designers, specifiers, code officials, utilities and government agencies. NFRC provides consistent and accurate information to measure and compare the energy performance of window, door, or skylight products. The NFRC label rates U-factor, Solar heat gain (SHGC), Visible light transmittance (VT) and air infiltration. [www.nfrc.org](http://www.nfrc.org).



ENERGY STAR was created to help consumers easily identify products, homes, and buildings that save energy and money, and help protect the environment. As the government-backed, trusted symbol for energy efficiency, the ENERGY STAR label identifies highly efficient products and designates superior energy performance in homes and buildings. ENERGY STAR qualified windows today are, on average, twice as efficient as the average window made ten years ago and can help reduce your energy bills significantly. [www.energystar.gov](http://www.energystar.gov).



Products that are recognized as the Most Efficient of ENERGY STAR in 2015 meet rigorous energy efficiency performance levels set by the U.S. Environmental Protection Agency. CompositWood has been awarded the ENERGY STAR Most Efficient mark for 2015.



The Keystone Certification Program provides independent third party assurance that CompositWood windows meet ANSI/AAMA/WDMA 101/IS2-97 structural specifications. All CompositWood windows with low E/argon are NFRC, Energy Star and Keystone certified. We proudly display our Gold Keystone Certification label in the head of each window, which assures that your window meets the requirements of the American National Standards Institute. [www.keystonecerts.com](http://www.keystonecerts.com).



Vinyl Window & Door Institute, The Society of the Plastics Industry, Inc. is the trade association representing the third largest manufacturing industry in the United States, organized to meet the diverse needs of the plastics industry supply chain, including processors, machinery and equipment manufacturers, mold makers, material suppliers and end-market manufacturers. [www.plasticsindustry.org](http://www.plasticsindustry.org).

## 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
- 2013 Manufacturing Excellence Award - Pennsylvania Manufacturers' Association
- Northeast Pennsylvania Manufacturers & Employers Association Award for Excellence 2013 for Product Innovation
- National Association of Manufacturers Excellence Award 2013 for Product Innovation
- Manufacturer Product Innovation Award 2013 from The County of Schuylkill, PA Board of County Commissioners

**CompositWood®**  
BY INTERSTATE

**INTERSTATE**  
Window & Door Company

Toll Free **1.800.338.9997** Phone **570.655.2811**

Web [www.interstatebldg.com](http://www.interstatebldg.com)

### Administration

322 LAUREL ST. PITTSBURGH, PENNSYLVANIA 15222

### Manufacturing

3000 N. TOWNSHIP BLVD. PITTSBURGH, PENNSYLVANIA 15260



Interstate Window & Door Company, aerial view



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