

# CompositWood<sup>®</sup>

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 a better than wood “engineered composite”, super tough, solid core material. A permanent color surface technology called “SuperCap™” is then 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.

OPTIONAL  
INTERIOR  
WOOD VENEER

SOLID  
CORE  
DURALITE™  
SPACER

SUPERCAP

SUPERCAP  
BRONZE  
EXTERIOR  
FINISH





# 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.

- 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

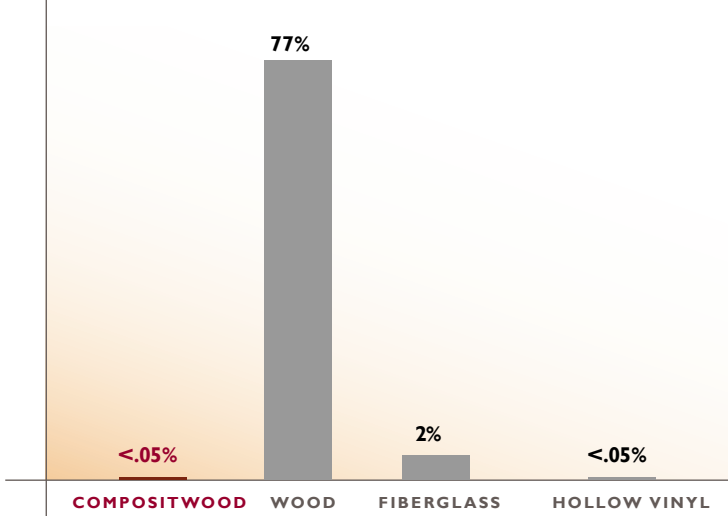
## WEATHERABILITY

*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.*



**MOISTURE ABSORPTION BY WEIGHT**

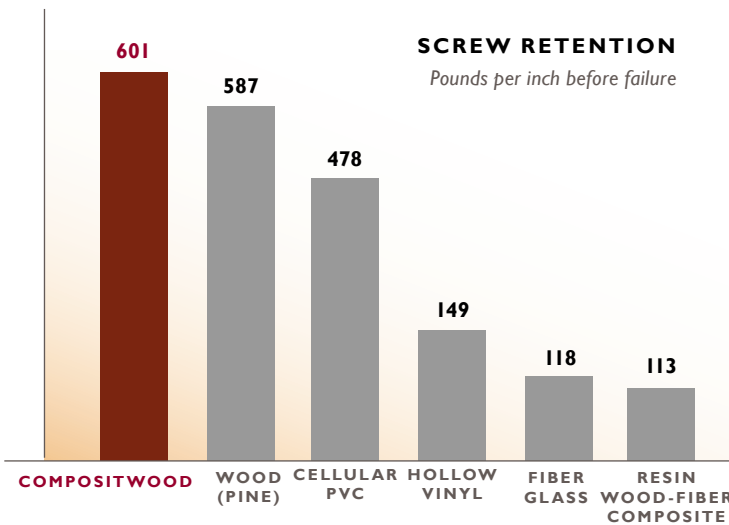


**IMPERVIOUS TO MOISTURE, ROT AND INSECT FREE**

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*



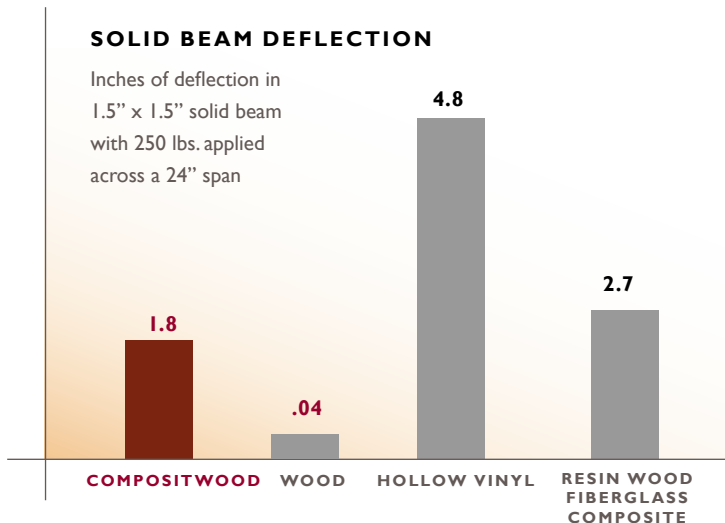
**SUPERIOR STRENGTH AND DURABILITY**

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.

**SOLID BEAM DEFLECTION**

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



# 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

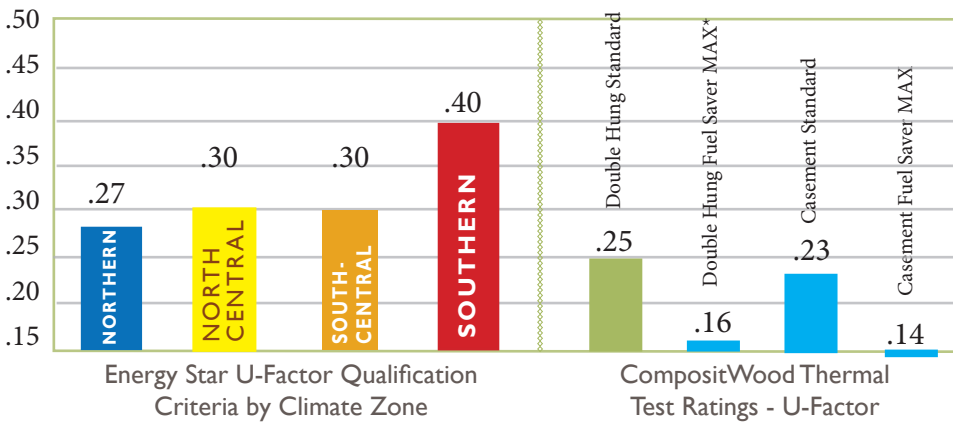
## EXTREME ENERGY EFFICIENCY

With high thermal performance values, 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 almost THREE 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



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>

## THERMAL CONDUCTIVITY ( K-VALUE)

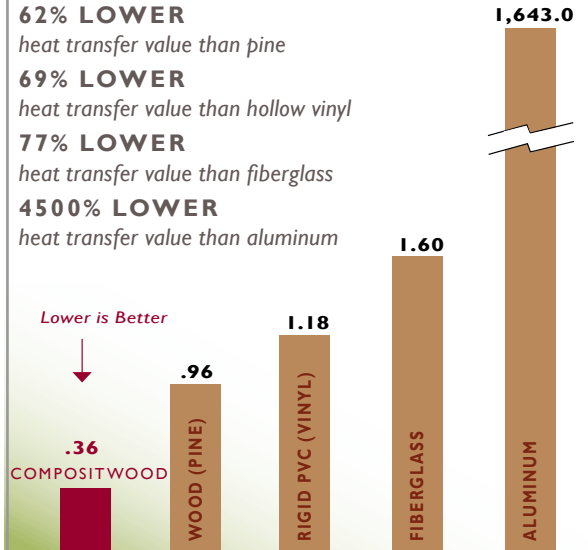
### COMPOSITWOOD HAS:

**62% LOWER**  
heat transfer value than pine

**69% LOWER**  
heat transfer value than hollow vinyl

**77% LOWER**  
heat transfer value than fiberglass

**4500% LOWER**  
heat transfer value than aluminum



**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.

COMPOSITWOOD®

# Glass Package Options

INCREDIBLE THERMAL VALUES



\* 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. Many CompositWood windows earn the coveted ENERGY STAR Most Efficient mark for 2016.



## STANDARD DUAL ENERGY SAVER<sup>+</sup>

- Double Pane: Low E + Clear; Argon
- U-factor:
  - .25 - Double Hung, Slider
  - .23 - Casement, Awning
  - .21 - Double Hung w/Dual Energy Saver IS
  - .22 - Slider w/Dual Energy Saver IS
  - .20 - Casement, Awning w/Dual Energy Saver IS\*
- .25 - Direct Set Picture Window
- .21 - Direct Set Picture Window w/ Dual Energy Saver IS

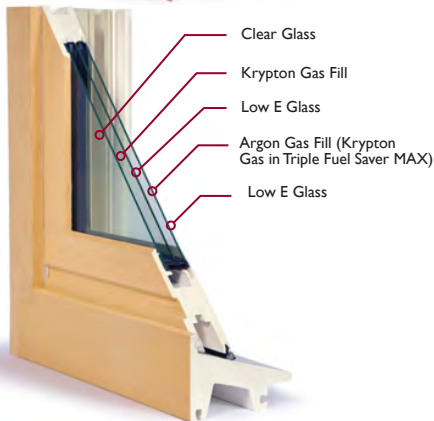


## TRIPLE FUEL SAVER™<sup>+</sup>

- Triple Pane: Low E + Low E + Clear; Argon + Argon
- U-factor:
  - .19 - Double Hung, Slider \*
  - .18 - Casement, Awning \*
  - .17 - Direct Set Picture Window\*



CompositWood Window ratings far exceed ENERGY STAR® requirements.



## TRIPLE FUEL SAVER PLUS & MAX<sup>+</sup>

### TRIPLE FUEL SAVER PLUS

- Triple Pane: Low E + Low E + Clear; Argon + Argon + Krypton
- U-factor:
  - .17 - Double Hung, Slider \*
  - .16 - Casement, Awning \*
  - .15 - Direct Set Picture Window\*

### TRIPLE FUEL SAVER MAX

- Triple Pane: Low E + Low E + Clear; Krypton + Krypton
- U-factor:
  - .16 - Double Hung \*
  - .15 - Slider
  - .14 - Casement, Awning \*
  - .13 - Direct Set Picture Window\*

\*All values based on 2.3 mm glass pane thickness. Results may vary with different glass thicknesses, tempered glass, grid applications and other specialty glass types.

## 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.





# COMPOSITWOOD® Insulated Glass THE INTERSTATE DIFFERENCE



*Bringing Glazing Technology to a Whole New Level*



*InDuraClean Washing System*

## **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 Water Filtration System*

## **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 print 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.



*InDuraClean Glass Sealing Clean Room*

## **OPTIGAS® FILL EQUIPMENT:**

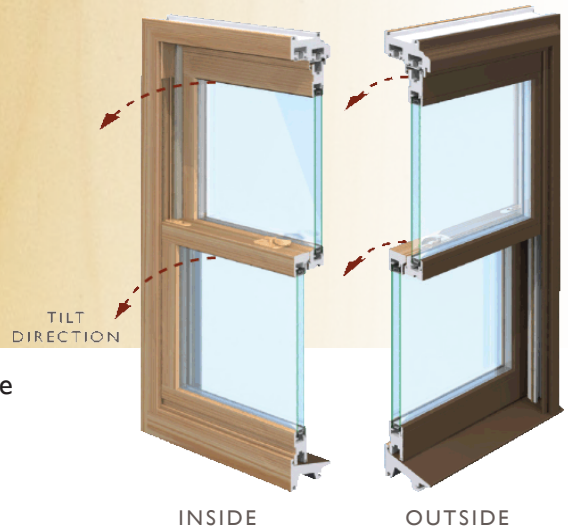
- Interstate has a 95% argon/krypton gas fill rate—an industry best.
- The OptiGas advanced, precise gas filling system allows individual insulated glass units to reach optimal energy saving U-factors.
- OptiGas measures the actual amount of argon or krypton gas flowing into each insulated glass unit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



*OptiGas*

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™ SP balances for easy opening and closing
- Integral off-set balance pockets and multiple weather-strip paths to reduce air infiltration
- Triple-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



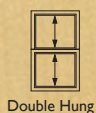
## LIGHT-LIFT™ SP (Superior Performance) New 3rd Generation Double Hung Window Sash Balance System

- Smooth and silent operation - sashes raise & lower with ease
- Enables full egress without limiting sash travel
- Interlocking pivot bar provides a higher structural performance rating
- Tilts in for easy cleaning. Lifts out for easy sash removal
- High quality stainless steel coils won't rot and last a lifetime
- The same high quality coils are used in the aerospace and military industries for counter-balance on Mars Rover Curiosity, missiles, tanks and submarines

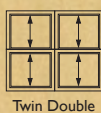


Light Lift™ SP

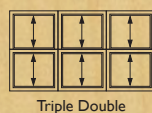
Double Hung Configuration Possibilities >>



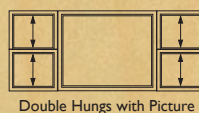
Double Hung



Twin Double Hung



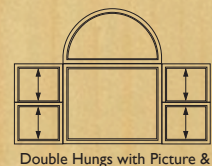
Triple Double Hung



Double Hungs with Picture



Operating Arch Top Double Hung



Double Hungs with Picture & Half Round



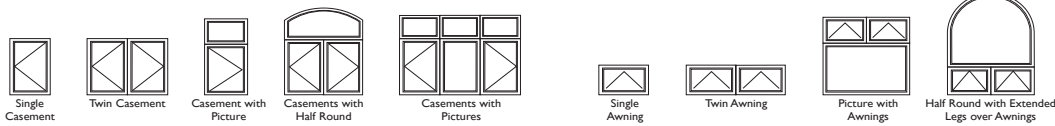
## WINDOW STYLES

# 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 >>



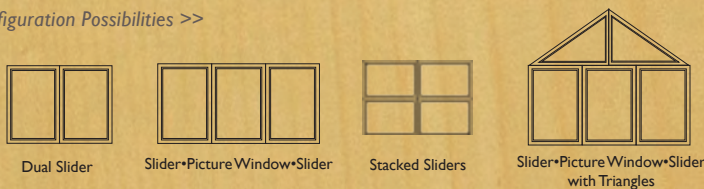
## WINDOW STYLES

# 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
- Triple-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 >>



**WINDOW STYLES**

# Picture Windows

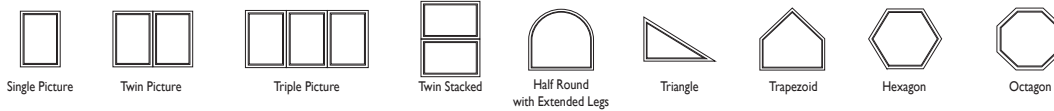


*Choose from  
3 Picture  
Window  
designs!*

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

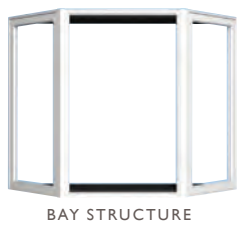
\*Picture Window with Double Hung Sash not available in Bronze SuperCap or Custom Painted Exterior.

Picture Window Configuration Possibilities >>



**WINDOW STYLES**

# Bays & Bows



- 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



OPTIONAL COPPER ROOF

Bay & Bow Configuration Possibilities >>





**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
- Door Hardware color options: White, Bronze, Brushed Nickel and Brushed Brass.
- Limited Lifetime Warranty



<b>Rolling Patio Door U-Factors*:</b>	Dual Energy Saver	.27
	Triple Fuel Saver	.20
	Triple Fuel Saver Plus	.17
	Triple Fuel Saver Max	.16
<b>Rolling Patio Door SHGC:</b>	Dual Glazed	.30/.27
	Triple Fuel Saver	.24/.21
	Triple Fuel Saver Plus	.23/.21
	Triple Fuel Saver Max	.24/.21
Solar Heat Gain Coefficient		
No Grids/With Grids		



\*U-Factors based on 3.1 mm glass pane thickness. Results may vary with different glass thicknesses, grid applications and other specialty glass types.

## *Architectural Series* Swing Door

- In swing/Out swing and French door styles
- AMESBURY/TRUTH Stainless Steel Hardware
- Deluxe handset with keylock.
- Dual Glazed, Triple Glazed optional
- Rain Glass, optional



*Revolutionary • Beautiful  
Efficient • Timeless*

COMPOSITWOOD®

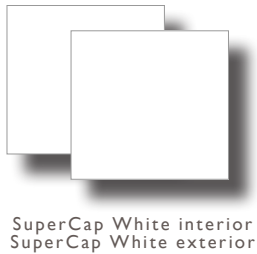
# Colors & Finishes That Beautify



## A SPECTRUM OF COLORS 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\*



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



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



Match or coordinate with 34 Mastic® vinyl siding colors!

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

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



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



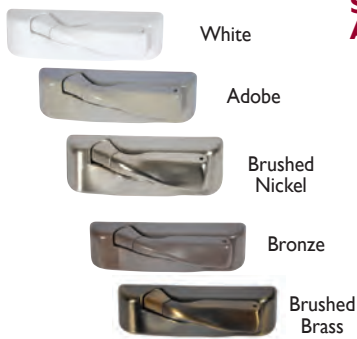
# COMPOSITWOOD® Hardware Options



## 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.

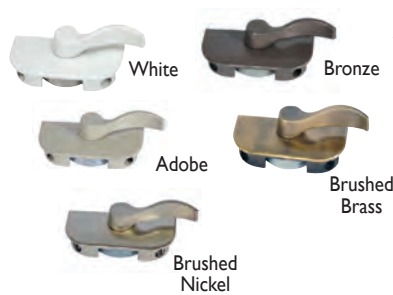
### CASEMENT/AWNING WINDOW CRANKS



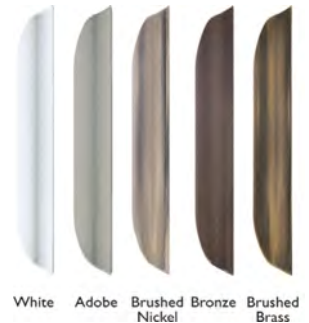
### SLIM LINE CASEMENT/AWNING LOCKS



### DOUBLE HUNG CAM LOCKS



### DOUBLE HUNG APPLIED HANDLE



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

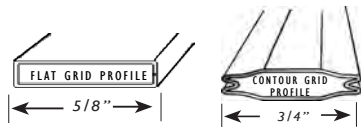
## COMPOSITWOOD®

# 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.



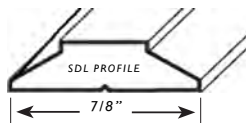
### Grids Between Glass



#### CompositWood Grids:

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

### 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.

### 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.



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

Exterior SDLs are not available with Triple Fuel Saver glass packages.





## 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 2016 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 2016.



CERTIFIED

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)



The AAMA VMC members include manufacturers of windows, doors, skylights and related building products and their component and material suppliers. Collectively they advocate the development of voluntary technical standards, extrusion, profile certification, marketing, green and sustainable fenestration products and educational programs. [www.aama.org](http://www.aama.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**<sup>®</sup>  
BY INTERSTATE

**INTERSTATE**  
Window & Door Company

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

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



Interstate Window & Door Company, aerial view

### Administration

322 LAUREL ST. PITTSTON, PENNSYLVANIA 18640

### Manufacturing

3000 N. TOWNSHIP BLVD. PITTSTON, PENNSYLVANIA 18640



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