



# THERMALWELD<sup>®</sup> *PLUS*



[polariswindows.com](http://polariswindows.com)

Picture window also available.



### DOUBLE HUNG

Extrusions are fusion welded at every corner to create seamless and strong windows. Top & bottom sash tilt inside for safe cleaning with recessed tilt latches. Double sash locks on windows 26" wide and over. Standard half screen, optional full screen.



### GLIDER • 2+3 LITE

Windows operate smoothly with brass rollers. Sash lifts out for safe and easy cleaning inside the home. Standard operable panel screen[s]; 2 lite - half screen | 3 lite - active panel screen[s]. Optional full screen.



### AWNING

Handle folds into operator cover of awning. Awning stop air infiltration with triple seal.



### CASEMENT

Sash cranks fold into base for a clean look and opens fully with just a few turns. Windows are triple sealed against the weather and can be safely cleaned inside the home. Hinged side of sash slides away from frame when fully opened. Reinforcements in sash provide extra security.

## DOUBLE HUNG & GLIDER FEATURES



True sloped sill for positive water drain off, no weep holes to clog.



Welded Frame & Sash Corners are solid and free from gaps.



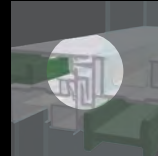
Sash Limit Locks allow secure partial opening.



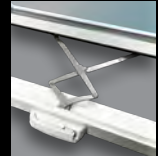
Strong, Extruded Aluminum Screen Frame; standard fiberglass mesh; optional aluminum or pet mesh.



Heavy Duty Sash Lock & Keeper for secure, air tight lock.



Continuous Over / Under Interlock & Weather-Stripping prevents air infiltration across entire meeting rail.



Heavy duty awning mechanism.



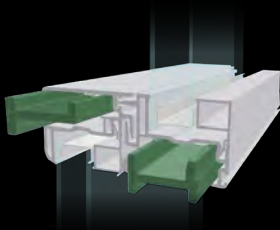
Heavy duty casement mechanism.



Corner Drive hardware optional.

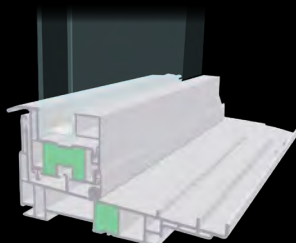
## AWNING & CASEMENT FEATURES

## WINDOW ADD-ON FEATURES



Rigid Thermal Reinforcements are advanced fiberglass reinforced resin inserts, designed to slide easily into window chambers for greater support and insulation.

### FOAM FILL INSULATED EXTRUSIONS



Insulating Green Foam Increases energy savings.

### Intercept Stainless<sup>®</sup> The Strongest Choice.<sup>™</sup>



**Sealant Effectiveness & Gas Retention**  
The sealant provides the moisture vapor barrier for the I.G. unit. The longer the transmission path, the slower the rate that moisture will travel into the unit through the seal. Intercept<sup>®</sup> Stainless is impervious to gas transmission, improving gas retention and maximizing the insulation value of your window over time. Intercept<sup>®</sup> Stainless offers one of the best transmission paths to maximize window performance.

### ENERGY EFFICIENT GLASS



energySMART<sup>®</sup> glass is standard in every Polaris<sup>®</sup> window.

We also offer many high-performance energySMART upgrades. Low-E coating reduces ultra violet light damage and heat gain. Triple pane IG units have sound deadening properties. Argon gas fill between panes further reduces temperature transfer.

Ask about ENERGY STAR qualified upgrades.



## WINDOW OPTIONS

SCAN CODE  
to head to our  
Digital Brochure!

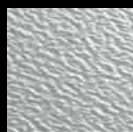


### INTERNAL GRIDS & DECORATIVE GLASS

Colonial, Prairie, Double Prairie:  
Flat, Contour, Brasses, View Glass  
Diamond: Flat & View Glass Only



#### Textured Glass



Obscure Glass



Rain Glass

### EXTERIOR PAINT



Lead time 4-6 weeks ‡Muntin color may be affected by glass coatings, such as Low-E. Coil not exact match \*Options  
Colors shown are reproduced by mechanical process and may vary from actual colors of product. Use actual color selector.

### EXTERIOR LAMINATES



N/A with Dark Oak Interior Wood Grain

### VINYL COLORS

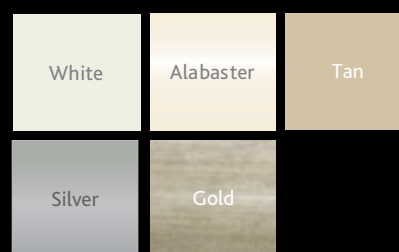


### INTERIOR WOODGRAINS



Coppertone hardware is standard on woodgrains

### MINIBLINDS



### SCREEN OPTIONS

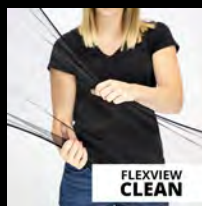


**BetterVUE® Screen Mesh**  
Better Insect Screen  
• 10% Better Insect Protection  
• 20% Better Airflow  
• 20% Clearer View

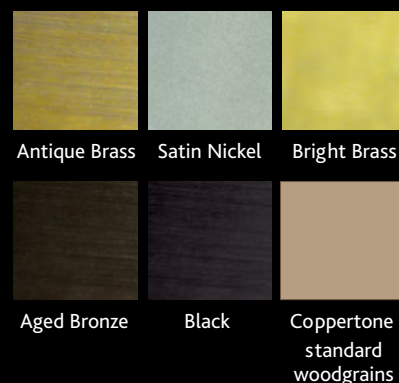


**Standard Screen Mesh**  
• Sight more obstructed  
• Less Airflow than BetterVue Screens  
• Proven and Reliable  
\*Also available in Pet Screen

- Strong, extruded aluminum frame in white or tan
- Half screen Standard • Aluminum Screen Mesh\*
- Available in Pet Screen\* and Full Screen\*



### PLATED LOCK FINISHES











## PATIO DOOR

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to head to our  
Digital Brochure!



### FEATURES + BENEFITS

- Fusion welded 4 3/4" frame and sash corners
- Aluminum rebar in interlock stiles and lock stile
- Stainless steel roller track
- Additional lock point with kick lock allows secure partial opening
- Foam filled main frame extrusions\*
- Door panels interlock and meet at main frame with weather-stripping
- 1"energySMART® Intercept® insulating glass
- Ask about ENERGY STAR® qualified glass package upgrades
- Extruded aluminum screen frames



Handle



Threshold

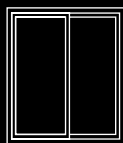


Handle Set  
with Key Lock

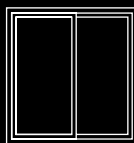


Foot Operated  
Dead Bolt

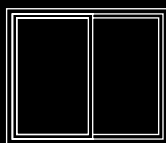
### STANDARD SIZES



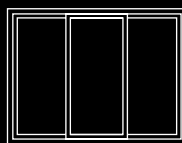
5'0" x 6'8"



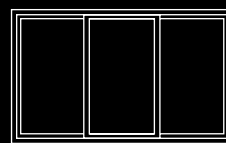
6'0" x 6'8"



8'0" x 6'8"



9'0" x 6'8"



12'0" x 6'8"

### CUSTOM SIZES

- two panel widths 55" to 95 1/2"
- three panel widths 95" to 142 7/8"
- max height 84"

## PATIO DOOR OPTIONS

### Decorative Glass

#### DESIGNS



Colonial



Prairie  
Style



Double  
Prairie Style



Diamond  
*n/a contour  
or brasses*



Colonial  
Flat



Colonial  
Contour



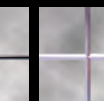
Antique  
Brass



Satin  
Nickel



Slimline  
Brass



view glass 3/8" v-groove, interior surface of glass unit pane

View



Floral View



Elongated  
Floral View

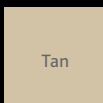


Arch View

### HANDLE SET FINISHES W/ EXTERIOR KEY LOCK



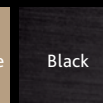
White



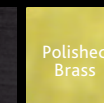
Tan



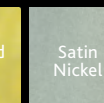
Coppertone



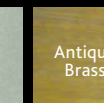
Black



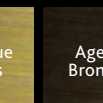
Polished  
Brass



Satin  
Nickel



Antique  
Brass



Aged  
Bronze

Exterior painted doors: Exterior hardware supplied is same color / finish as interior hardware.

### SCREEN HANDLES



1350  
Heavy  
Extrusion  
Standard



1580  
Heaviest  
Extrusion  
Mortised  
with Lock

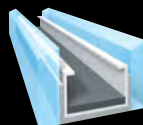
### MORTISED HOOK LOCKS



Single Point  
Standard



Two Point



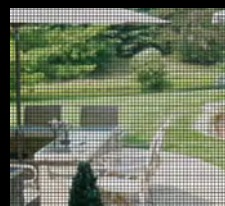
### FOAM FILLED INSULATED EXTRUSIONS

### ENERGY EFFICIENT GLASS

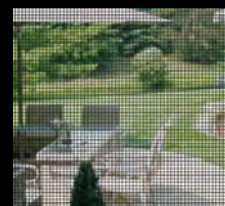


See Page 3 for other included options:  
Exterior Paint, Exterior Laminate, Vinyl Colors  
Interior Wood Grain, Mini Blinds

### SCREEN OPTIONS

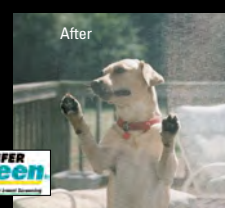


**BetterVUE® Screen Mesh**  
**Better Insect Screen**  
10% Better Insect Protection  
20% Better Airflow  
20% Clearer View



**Standard Screen Mesh**  
Sight more obstructed  
Less Airflow than  
**BetterVue Screens**  
Proven and Reliable

### PET SCREEN



- Resists damage by dogs and cats
- Excellent outward visibility

- Made of strong vinyl-coated polyester
- Not harmful to pets
- Easy to install



## BAY WINDOW

Features a center picture window flanked by casement or double hung windows. Two of these operable windows can replace the picture window.

Choose between:  
**DOUBLE HUNG OR CASEMENT**  
for your Bay & Bow Windows



*\*Optional DuoTilt lock on Double Hung available. All other features are standard.*



## BOW WINDOW

Picture windows in this system are flanked by two operable windows. Windows in a bow are all the same size.

## WINDOW/ROOF FEATURES

### ROOF OPTIONS

Prefabricated roof system is custom built for your home. Installation time is greatly reduced.

### HIP STYLE ROOF

Add metal roof or shingles to match your home's existing roof.

### CONCAVE METAL ROOF

This elegant architectural detail is stunning in copper.

### PAINTED ALUMINUM ROOF

Hip or Concave, 26 color choices. Ask for a Una-Clad™ color selector.

### COPPER ROOF

Finish maintains the polished, shiny surface.

### INTERIOR OPTIONS

Wood Oak or Birch construction.

### FINISHES

- Interior wood surfaces stained and sealed with durable lacquer clear coat. Stain matches Polaris® woodgrain laminates when applied to Oak Only.
- Paint in white or beige.

- Maintenance free, scratch resistant plastic laminate in white or beige.
- Seat only or seat, head and side jambs. Touch-up stain or paint included.

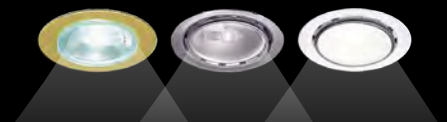
### INTERNAL PVC PANNING SYSTEM

Vacuum Formed PVC Panning Profiles, Left & Right styles. Profiles include a variety of Extension Legs creating an Interior Gutter System.

Panning System acts as an Internal Weatherization Barrier. Prevents Water Infiltration from reaching any Bay or Bow Window Wood Components.

### RECESSED LIGHTING

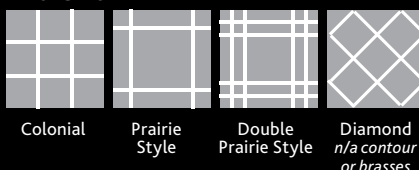
Polished brass, brushed nickel or white 1, 2 or 3 clear lights low voltage halogen bulb[s] & transformer included



## WINDOW OPTIONS

Decorative Glass

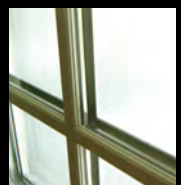
### DESIGNS



### INTERNAL MUNTIN STYLES

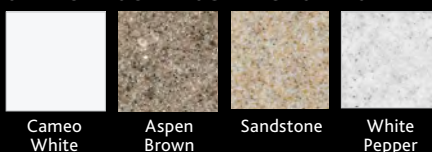


view glass 3/8" v-groove, interior surface of glass unit pane

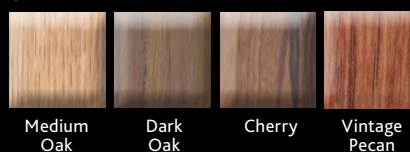


Simulated Divided Lites

### STARON® SOLID-SURFACE SEATS



### STAIN



*See Page 3 for other included options:*  
Mini Blinds, Plated Locks  
BetterVue® & Standard Screens



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### FEATURES + BENEFITS

Our three dimensional vinyl window lets the sunshine in, yet keeps the weather out.

1" Warm Edge glass spacer system: Two panes of glass sealed onto a treated spacer reduce temperature transfer and condensation.

1" Insulated seat board option increases R value to 6.22.

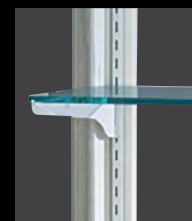
Fully welded vinyl frame and sash is seamless, strong and pristine.

Aluminum and steel reinforcements.

Tempered double strength top glass.

Two screens included.

Ten Year Limited Warranty.  
Exterior projection always 17"  
Min. W 24" x H 32"  
Max. W 72" x H 60"



Adjustable 3/8" Polished Edge Glass Shelves



Multi-Point Locking System  
Tight Seal + Secure

## WINDOW OPTIONS

### VINYL



White  
Standard

Tan

White Ext  
Med Oak Int

### INTERNAL MUNTINS



Colonial  
Flat

Colonial  
Contour

Colonial  
Antique  
Brass

Colonial  
Slimline  
Brass

Colonial  
View  
3/8" V-groove

### SEAT BOARD, HEAD BOARD, JAMB



Birch

Oak

White

Tan

Wood Veneer

Pionite® Plastic Laminate\*

### SOLID SURFACE ACRYLIC SEAT BOARDS LG HI-MACS®



Arctic White

White Quartz

Vanilla Sugar

Almond

Black Pearl

Gray Granite





[polariswindows.com](http://polariswindows.com)