

ENDURE WINDOWS



— ENDURE™ —  
**WINDOWS**  
STUNNING ENERGY EFFICIENCY

# THE PROFESSIONAL WAY

ProVia® has developed a competitive position by catering to a niche market that demands a high degree of customization coupled with superior quality. You will find attention to detail is what our customers have come to appreciate and expect from us. We're building your windows and our company to last a lifetime...that's **The Professional Way**.

**MULTI  
TIME**

Partner of the  
Year Award



**90%+** of Windows and Doors  
are ENERGY STAR®  
Certified

**40+** Professional-Class  
Exterior Building  
Product Lines

**DOORS • WINDOWS • SIDING • STONE**



6 Facilities in the United States

**900+**  
Associates Nationwide

Our Mission:

— TO SERVE, BY CARING FOR —  
**DETAILS**  
IN WAYS OTHERS WON'T

Doing Business Since

**1977**

**19**

Core Values

**200+**

Metric Tons of CO<sup>2</sup>  
Saved Annually

**400+ Tons**

of Aluminum, Brass and  
Steel Recycled Annually

Visit [provia.com](http://provia.com) or download our app to  
explore all of ProVia's products and options.





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# WHY CHOOSE VINYL

YOUR VERSATILE WINDOW SOLUTION



Endure™ windows are constructed of SunShield® vinyl, made with a compound proven to perform better than alternative building materials. Vinyl ensures long-lasting color retention and low maintenance, plus the added confidence of a warranty against rotting, cracking, pitting, corroding and peeling. The vinyl is resistant to rot, insect and microbial damage, never requires painting and is easy to clean.

## **Low Maintenance**

Vinyl windows are the low-maintenance choice for residential use.

## **Superior Weatherability**

SunShield vinyl is uniquely formulated to withstand the harsh effects of weather, UV light and southern exposure.

## **Color Retention**

Pharmaceutical-grade compounding and blending systems provide consistency, so you can rely on superior color and weatherability.

## **Designed to Perform**

Industry partnerships and ongoing research into new technologies ensure the vinyl compound exceeds industry standards, outperforms the competition and works together to offer best-in-class technology.

## **Uncompromising Quality and Performance Testing**

SunShield vinyl meets or exceeds the standards for strength and color retention established by the American Architectural Manufacturer's Association (AAMA).

# STANDARD FEATURES

## WHAT TO EXPECT WITH YOUR ENDURE WINDOW

Endure windows can be completely customized to fit your exact style. Everything from the size of the window, the interior and exterior colors, hardware finishes, glass packages and trim options can be chosen by you.

Design the windows for each room in your house differently, or if you prefer a simple, seamless look, your windows can all be the same. The design options available to you are virtually endless. The features below are standard on all Endure window styles.

3¼" Frame Depth

SunShield® Vinyl

¾" ComforTech™ DLA-UV for Dual Glaze

1" ComforTech TLA-UV or TLK-UV for Triple Glaze (Upgrade)

Optimized Wall Placement for Exceptional Thermal Performance

Neopor® Insulation

INNERGY® Thermal Reinforcements

Accessory Grooves for Interior and Exterior Trim

Welded Frame and Sash Construction

Barrier-Fin and Bulb Seal Weatherstripping

Extruded Aluminum Screen Frame with BetterVue® Fiberglass Mesh



**LIFETIME**  
— LIMITED WARRANTY —

# UNDERSTANDING YOUR WINDOW FEATURES

## REINFORCEMENT

### **INNERGY® Thermal Reinforcements**

Innergy is the innovative, energy-efficient alternative to aluminum, with added insulating properties making it 700 times better.



As the next-generation of thermal reinforcement for the industry, Innergy is able to deliver a quantum leap above aluminum in how windows perform:

#### **Better Thermal Performance**

Up to 700 times better than aluminum in material comparisons.

#### **Better Thermal Break**

Impervious to cold or heat.

#### **Better Protection Against Condensation**

Helps prevent staining that can occur with metal reinforcements.

#### **Better Impact Testing**

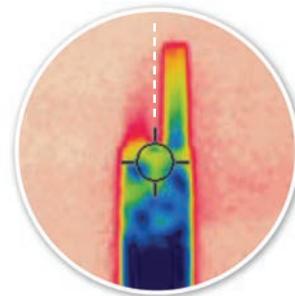
Resistance to impact versus other reinforcement products.

#### **Better Flexibility**

Will not permanently set when impacted.



Innergy and Aluminum in a 32 degree ice bath



Infrared analysis shows substantial conductivity in aluminum (shown on the right), and virtually none with Innergy (shown on the left)\*

\* Photos taken after one hour ice bath

## INSULATION

### Neopor®

Neopor is a graphite polystyrene rigid foam insulation that gives maximum efficiency and sustainability in building products. It is comprised of many small pockets of air within a polymer matrix containing graphite. The graphite reflects radiant heat energy like a mirror, increasing the material's resistance to the flow of heat, or R-value. Most polymer-based foams exhibit a greater ability to slow the movement of heat as the temperature decreases; however, Neopor is unique because it increases R-Value as the temperature outside drops.



The vinyl profiles used in an Endure™ window are designed with premium wall cavities providing the highest levels of efficiency. This strong and rigid vinyl extrusion keeps you comfortable in your home without the need for insulation.

To provide further comfort, ProVia® uses Neopor insulation in certain cavities for even greater performance. Therefore, you can rest assured both the window frame and sash, along with the Neopor insulation are effectively regulating the temperature inside your home.

## WEATHERSTRIPPING

Weatherstripping is a very important part of preventing air from coming into your home. ProVia's windows have weatherstripping on the frame and sash, ensuring you get a good seal at the important locations where air could pass through.

### Bulb Seal



Bulb seals are seamless closed-cell compression seals that prevent water from penetrating the foam cell structure. Its extruded skin provides a unique UV resistant barrier with design features that enhance the weatherstrip's sealing performance.

### Barrier-Fin



Seal woven and extruded pile weatherstripping with fin provides a very effective barrier against air, water, dust and noise, sealing against even and uneven surfaces with resistance to abrasion.

## TEST SPECIFICATIONS

### Endure Double Hung 44" x 75"

Test	Test Specification	Results
Air	ASTM E 283	0.05 cfm/ft <sup>2</sup> @ 25 mph
Water	ASTM E 547	7.52 psf
Structural	AAMA/WDMA/CSA 101/I.S.2/A440-8 and 11	LC-PG50 142 mph

Test data is a result of sizes shown, configurations and lab conditions of a certified independent third party laboratory.

Please reference the Window & Patio Door Technical Specifications Brochure for testing data on other window types.

# YOUR SCREEN MESH OPTIONS

## STANDARD

### BetterVue® Fiberglass

Endure™ windows come standard with an extruded aluminum screen frame with BetterVue fiberglass mesh, which can be easily removed for regular cleaning and maintenance.

BetterVue screen mesh is very durable and flame retardant, providing an enhanced view, increased insect protection and improved airflow.

The “Clear & Clean Technology” features a hydrophobic coating that will not wash off, which allows the screen to shed water and debris from a rainstorm or garden hose. This means your screen virtually eliminates window panning, a process by which the water fills the open squares in the screen.

Now Featuring Phifer's®



## OTHER OPTIONS

### FlexScreen®

Nearly indestructible. Barely visible.  
Available with BetterVue or Heavy Duty Fiberglass Mesh.

#### SIMPLE DESIGN

PVC coated spring steel frame with no attachment hardware.

#### EFFORTLESS INSTALLATION

Simply hold the screen in your hands, bend the sides in, and fit FlexScreen into your screen pocket.

#### DAMAGE RESISTANT

No more bent aluminum frames, scratched paint and broken hardware.

#### BEAUTIFULLY INVISIBLE

FlexScreen easily hides in the window screen pocket, drastically improving sight lines.

*Lifetime Limited Warranty*

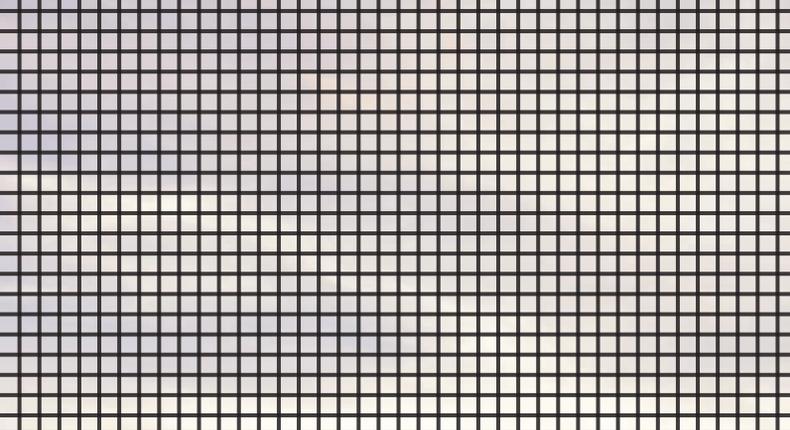


### SeeVue® Stainless Steel Screen

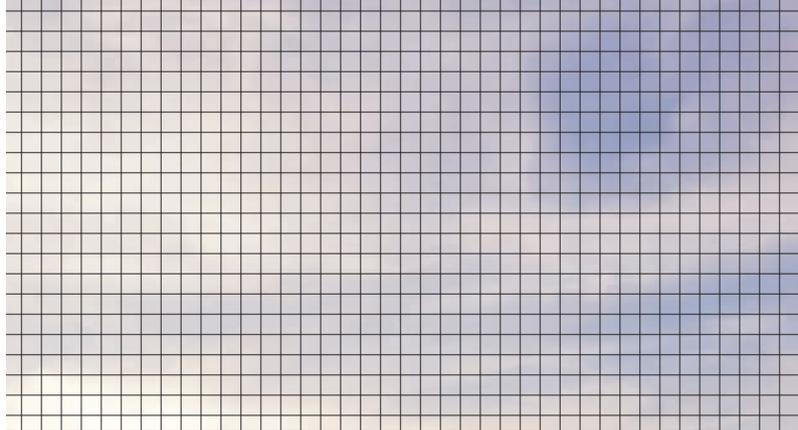
Much stronger than the standard insect screen, this stainless steel screen is excellent for window applications. It is black coated for improved visibility and allows superior airflow.

If you're looking for a stronger alternative to the BetterVue screen, upgrade to a SeeVue. This screen mesh is available in an extruded aluminum frame.

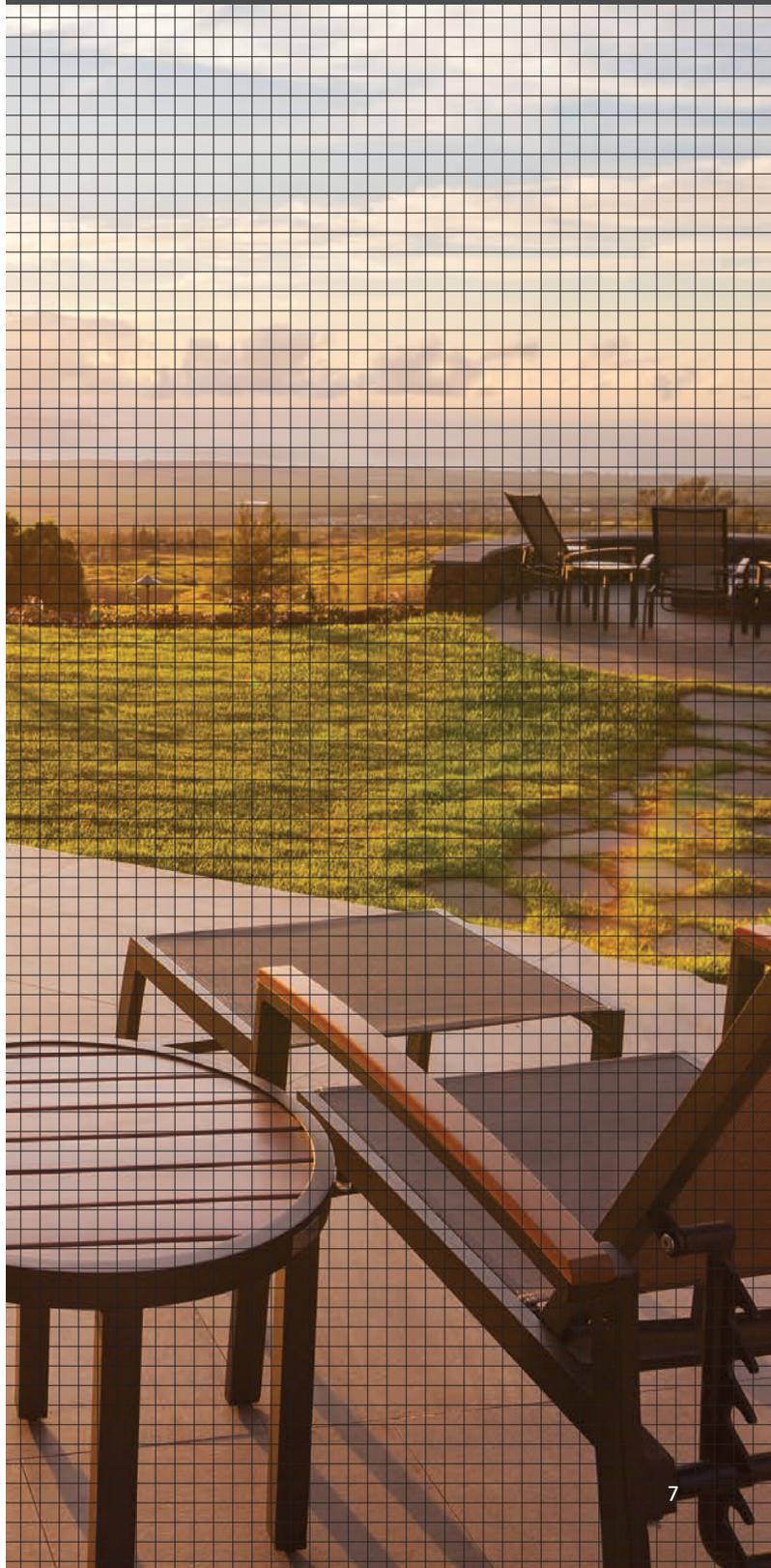
**Also available:** [Aluminum and Heavy Duty Fiberglass Screen Mesh](#)



Standard Insect Screen



BetterVue® Screen



# CHOOSE YOUR WINDOW TYPE

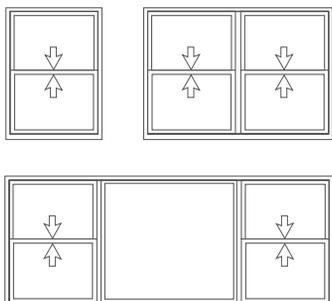
## DOUBLE HUNG



Double hung windows are ideal in every room of the house since they are easy to open and clean. Both sash tilt inward, while the screen stays in place. Put two or more double hung windows in a row to create an aesthetically appealing look.

### Features

- Compound Tension™ Balance System
- Exterior Glazing
- Cove Sash Profile
- Triple Weatherstripping
- Two DualTech™ Locks with Integrated Tilt Latches
- Dual Vent Locks
- Integral Interlock at Meeting Rail
- Top Sash Retention



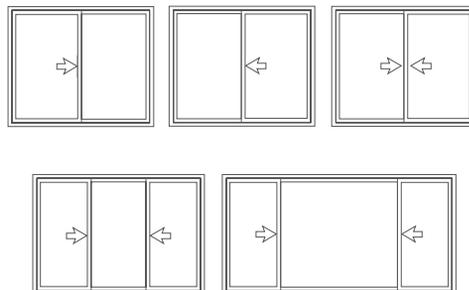
## SLIDER



Slider windows are another classic found in many homes. These windows work well above the kitchen sink or in any room where ventilation is important. Slider windows work great by themselves or paired with picture windows.

### Features

- Brass Rollers
- Exterior Glazing
- Cove Sash Profile
- Dual Weatherstripping
- Two DualTech™ Sweep Locks
- Extruded Aluminum Half or Full Screen
- Vent Lock
- Anchor Stops (standard on 3-Lite Sliders)



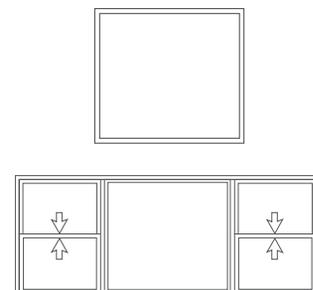
## PICTURE



Picture windows are perfect for any room with a view. They help capture the beauty that surrounds your home, while complementing other windows. Pair several picture windows together to bring in the beauty of the outdoors.

### Features

- Fully Welded Frame
- Direct Set Glass
- Interior Glazing
- Sloped Sill



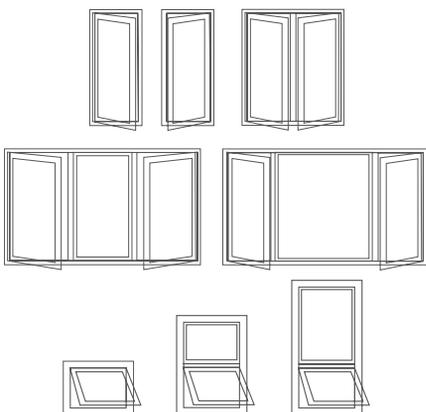
## CASEMENT & AWNING



Casement and awning windows add style and flair to your home, allowing the perfect amount of ventilation desired. Group casement and awning styles together to create a beautiful wall of operational windows.

### Features

- Exterior Glazing
- Square Sash Profile
- Multi-Point Locking Hardware
- Fold-Away Handle
- Washability Hinge (Casement)
- Optional Simulated Double Hung Meeting Rail (Casement)
- Quick-Release Dual Arm Operator (Awning)



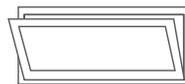
## HOPPER



The hopper window is perfect for a basement, bathroom or laundry room, giving you adequate ventilation and natural light. These windows help add curb appeal to your home, providing light in a space that may otherwise be very dark.

### Features

- Interior and Exterior Accessory Grooves
- Durable Top Mounting Lock and Hinge
- Available in White Only



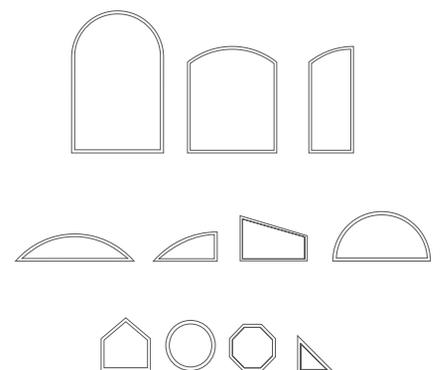
## ARCHITECTURAL SHAPES



Architectural shapes will complement your home's unique style, while allowing more natural light to brighten up your space. Shaped windows look great above other styles of windows or they can easily accent a patio door.

### Features

- Fully Welded Frame
- Direct Set Glass
- Wide Range of Shapes Available
- Optional Operating Octagon Shaped Window



See price list for more options and configuration styles.

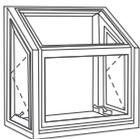
## GARDEN



The garden window looks great in a kitchen, bathroom or den, providing a perfect place for decorative accents or foliage and herbs. This unique window style not only allows more light in, but also helps open up your room.

### Features

- Top Sloped Tempered Insulated Glass
- Completely Assembled with Unfinished 1¼" Oak Veneer Head, Jamb & Seat Board
- Snap-In Corner Slope Closure Profile Seals Tight
- Twin Sealing, Fully Screened Operating Casements with Exterior Glazing
- Easy Access Dual-Point Locking Operator
- Fold-Away Handle
- Fiberglass FlexScreen®



## BAY & BOW



Bay and Bow windows look amazing in a living room or master suite, giving you the versatility to choose a combination of picture, double hung or casement windows. The seat on a Bay or Bow window is a great place to sit and read or just enjoy the view.

### Features

- Bay:** 3-Lite Unit with 2 Operable Windows with Screens
- Bow:** 3, 4, 5 or 6-Lite Units with 2 Operable Windows with Screens
- Roof Kits** Available in wood, painted aluminum and copper.



Bay Window - Hip Style Roof



Bow Window - Hip Style Roof





# CHOOSE YOUR COLORS

Endure™ windows are available in appealing woodgrain interior colors, along with four popular exterior vinyl colors. Remember, each room in your house is unique, so your windows should be too. Choose interior colors to complement each room's style.

**Exterior/Interior Colors**

Classic Oak, Dark Oak, Traditional Cherry, White Woodgrain and Classic Bronze are laminated options.

## TUFTEX Smooth Cladding Colors

Aluminum trim coil with mar-resistant smooth finish

Not all color combinations are available on all window styles. See price list for options.

Please refer to our color selector for accurate color representation.







# UPGRADE TO A PAINTED EXTERIOR

Complement the exterior of your home with painted windows to give your house a distinctive look. Choose from one of ProVia's® standard paint colors (shown below) or use your imagination and custom-match any color of your choice.

The factory-applied paint finish maintains long-lasting color due to its exceptional UV and heat reflective properties. Choosing to paint the exterior of your windows means no worry of peeling, flaking or blistering.

15-year warranty on paint finish

Standard with FlexScreen® (see page 6)

Allow for additional lead time



View of jamb pocket from exterior

## Exterior Paint Finish Options



Please refer to our color selector for accurate color representation.



## Custom-Matched Paint Colors

### How to Order Custom Painted Windows

1. Visit a Sherwin Williams paint store and select a paint color of your choice.
2. Specify the selected color name and paint number from the paint color swatch at the time of order.

OR

1. Provide your dealer with 3 samples of the selected color for ProVia® to match.\*

*\*Homeowner sign off is required on all custom color matches. Color match fee applies.*

# SELECT YOUR HARDWARE FINISH

## Double Hung and Slider Windows

Standard Finishes



White

Beige

Sandstone

Coppertone

Optional Decorative Finishes with DualTech™ Integrated Tilt Latches



Antique Brass

Satin Nickel

Flat Bronze

## Casement and Awning Hardware

Standard Finishes



White

Beige

Sandstone

Coppertone

Optional Decorative Finishes



Antique Brass

Satin Nickel

Flat Bronze

White, beige or sandstone interior windows come standard with matching hardware.

Laminated wood colors come standard with Coppertone hardware.

Upgrade to one of the beautiful decorative finishes on any window, enhancing the overall beauty of your room.





# STUNNING ENERGY EFFICIENCY





# WHICH GLASS PACKAGE IS RIGHT FOR YOU?

## FEATURING COMFORTECH™ WARM EDGE GLAZING SYSTEM

Most of your new window is glass. That's why we use the ComforTech Warm Edge Glazing System featuring Super Spacer® on all Endure™ windows. This gives you reduced heat loss, warmer glass temperature and reduced interior condensation. All ComforTech products have passed stringent testing and are IG Certified to ensure seals are durable and will not leak.



### The No-Metal Advantage

Thermal efficiency through no presence of conductive metals is the Super Spacer hallmark.



### Mylar 10-Layer Vapor Barrier

The Super Spacer thermoset foam matrix is exceptional. Moisture is kept out, gas is kept in and conductivity is virtually nonexistent.



### Lasting Appearance

Our Warm Edge Glazing System stands up to the natural bending and bowing from temperature changes, barometric pressure and wind load.



### Enhanced Noise Reduction

The all-foam formula's excellent sound dampening properties reduce outside noise, even in industrial environments.

## WHAT'S THE DIFFERENCE?

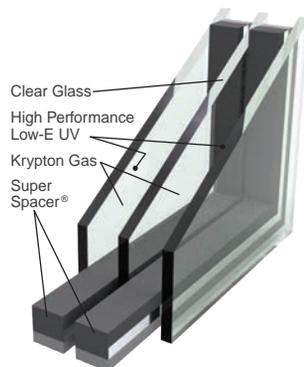
### Krypton Gas

Inert to glass coatings, heat and spacers, krypton gas has the lowest conductivity of any gas used and raises the inner glazing temperature. This gas performs well in small chambers, making it the best choice for our triple-glazed glass packages.

### Argon Gas

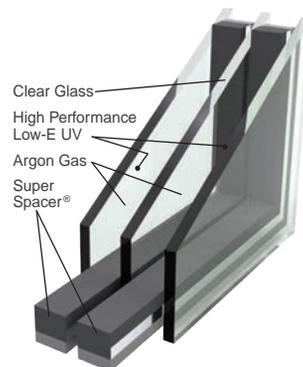
Chemically inert to UV radiation, argon gas insulates better than air. It is sunlight stable, non-corrosive and non-toxic, making it the best choice for our double-glazed glass packages.

### ComforTech™ TLK-UV



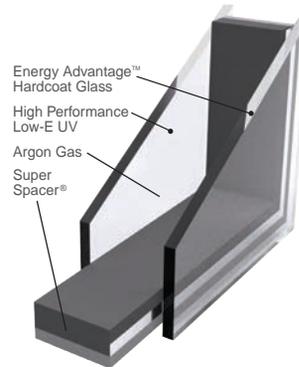
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R-Value of 9

### ComforTech™ TLA-UV



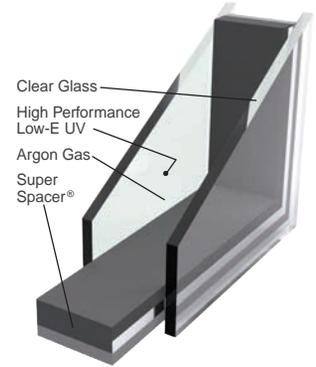
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### ComforTech™ DLA-UV-HC



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### ComforTech™ DLA-UV



●●●●○○○○○○  
R-Value of 4

# ADD EXTRA PRIVACY AND TINT TO YOUR WINDOW

## Privacy Options

Choose from five different types of glass if you need light to filter in, yet want to maintain privacy. These glass styles look great in rooms where privacy is important. Regardless of where it is used, privacy glass reduces the likelihood of needing extra window coverings.



**CHINCHILLA**



**TAFFETA**



**WATERFALL**



**GLUECHIP**



**OBSCURE PEBBLE**

*Actual privacy levels will vary depending on your distance from the glass and also the amount of light in the room in comparison to the light outside your home. For extra privacy, choose two panes of privacy glass, rather than just one.*

## Tint Options

Our tinted glass can help reduce UV transmittance, solar heat gain and glare. Tinted glass options can give a room a whole new look, providing its own unique set of benefits. Be sure to choose the right one for your home.



### **Solargray® Gray Tint**

Excellent glare control  
 Exceptional protection against interior fabric and color fading  
 Ultraviolet light protection



### **Solarbronze® Bronze Tint**

High visible light transmittance  
 Warm glow to interior décors  
 Complements brick and stone  
 Ultraviolet light protection



### **Solexia® Green Tint**

Subdues interior brightness  
 High visible light transmittance



### **Azuria® Blue Tint**

Low shading coefficient  
 High visible light transmittance  
 Solar performance (reduces solar heat gain)

# STYLE YOUR WINDOW WITH GRIDS

The style of grids you choose can make a big impact on your home's appearance. Grids look great on the front side of a house or in accent windows throughout the home. You can choose from internal or external grids and several grid patterns including variations of Colonial, Cottage, and Prairie styles.



## External Grids

Simulated Divided Lites (SDL)

Grids are applied to the glass on both the interior and exterior of the window. If you decide to get painted windows, choosing SDLs as your grid choice allows the SDLs to be painted to match your interior and exterior window color.

## Internal Grid Types

If you want grids, but prefer not to clean around them, opt for internal grids so you get the same look and feel, without the hassle.



Contoured

Flat

Pencil  
Available in Satin  
Nickel, Brass and  
Bronze

V-Groove



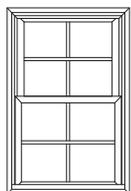
## Triple Glazed Glass

Internal grids with triple glazed glass are placed between two glass panes with the added efficiency of a third pane.

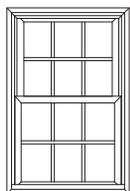


## Double Glazed Glass

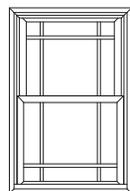
Internal grids with double glazed glass are placed between two panes of glass.



Cottage



Colonial



Prairie

Internal and external grids are available in many configurations of Cottage, Colonial and Prairie styles.



# ADD INTERNAL BLINDS

If cleaning dusty blinds makes you cringe, be sure to add internal blinds to your windows. These blinds are made with sturdy, white aluminum and are custom-fit to the exact dimensions of each window.

Internal blinds work great in all bedrooms and bathrooms in the house. Blinds can be lifted up to allow maximum light in or they can be tilted to keep some light out and to maintain privacy.



Interior View

Blind operator as  
viewed from the  
interior of the home

*Blinds can be added to Double Hung (top, bottom, or both sash), Casement, Awning, Picture and Slider windows.*

*Internal Blinds come with a **10-year Limited Warranty**.*

*Allow for additional lead time on your window order.*





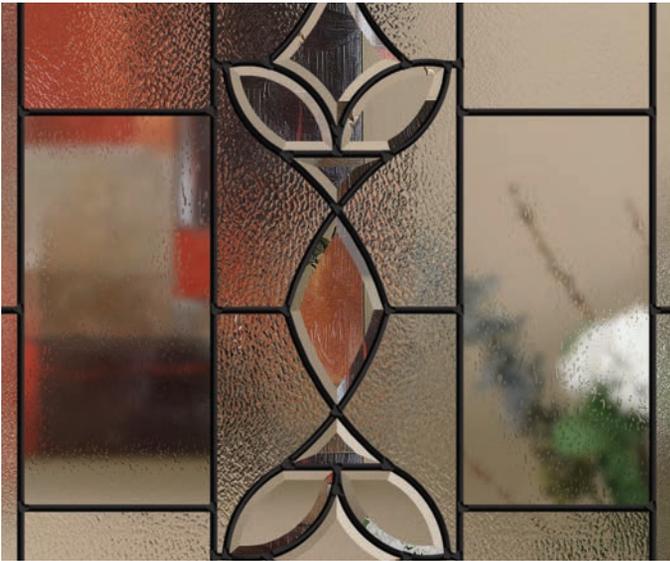
# CREATE A FOCAL POINT

## WITH DECORATIVE GLASS

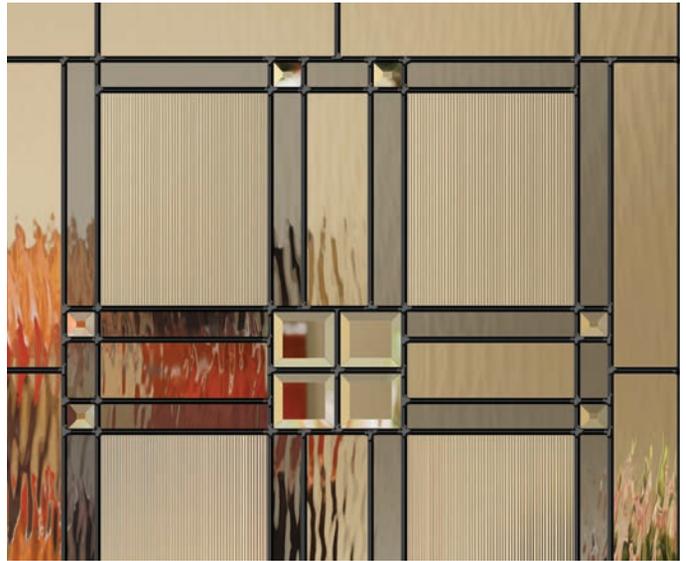
Want to wow your neighbors and add style to your home? Be sure to order one of the decorative glass options when you place your window order. Each piece of glass is unique, customized to fit any window shape and style. Decorative glass can be ordered in full, simplified and transom pattern options. Add some elegance to your design by choosing a coming color to complement your home.

Enhance your view of the outside world by adding windows with decorative glass to any room in the house - the design options available with this program are virtually endless. See the Decorative Glass brochure for more information.

**Esmond**



**Laurence**



**Carrington**



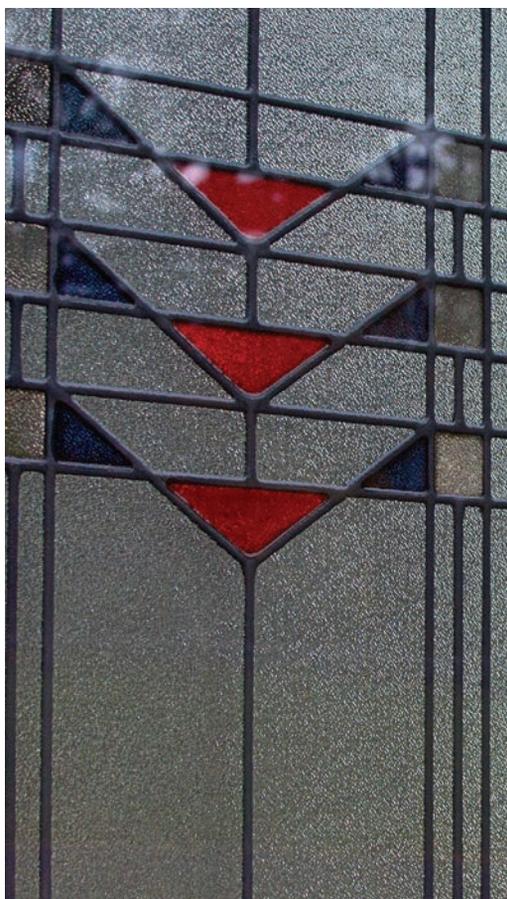
**Florence**



Decorative glass is available in Double Hung (top and/or bottom sash), Casement, Awning, Slider, Picture and Architectural Shape style windows.

Designs will vary depending on window size. A drawing, showing the pattern based on the exact window size ordered, will be provided for approval. Please see the Decorative Glass brochure for more style options. All decorative glass requires additional lead time.





# IMAGINE THE POSSIBILITIES

WITH INSPIRATIONS™ ART GLASS

Inspirations Art Glass allows you to do just what the name suggests, let your windows reflect the inspiration of your imagination with your choice of design and color.



## Explore Design and Color Options

Ask to see our Inspirations Art Glass brochure for available styles and color palettes, visit [provia.com](http://provia.com) or use the ProVia app to create custom color palettes and design your dream window. Inspirations Art Glass is available in Double Hung (top and/or bottom sash), Casement, Awning, Slider, Picture and Architectural Shape style windows.



## Color Palettes

The greatest advantage of Inspirations Art Glass is the opportunity you have to add color to your glass. There are a variety of unique color palettes to suit your home's style.



\* Increases transparency on textured glass and resembles aged glass

## Resin Beads

Available in four color options.



Combine your favorite color palette and bead color with your choice of design to show your personality on your windows.

Note: All Inspirations Art Glass requires additional lead time.



# FINISH YOUR WINDOW WITH MASTERFIT™ TRIM

Add the finishing touch to the interior of your windows with the MasterFit trim system, complete with assembled frame extensions that interlock with mortise and tenon casing. Our MasterFit trim system guarantees a precise, custom-fit and long-lasting factory applied finish.

## Profile Options



2 1/2" Modern Profile   2 1/2" Colonial Profile   3 1/2" Colonial Profile   3 1/2" Flat



Mitered casing with high quality mortise and tenon corner locking system ensures strength and durability.

## Additional Trim Options



Traditional Interior Stop   1 3/8" W x 1/2" H  
 Jamb Extension   2 1/2", 4 1/2", or 5 1/2" W x 3/4" H  
 Stool   3 1/2" or 5 1/2" W x 1" H  
 Shoemold Interior Stop   3/4" W x 1/2" H



Rosette   3 7/8"

## Stain Finishes

### Oak



### Cherry



### Maple



## Paint Finishes

### Poplar



Please refer to our color selector for accurate color representation.

# CREATE YOUR DREAM HOME

## WITH PROVIA'S EXTERIOR HOME DESIGN TOOL

Use this powerful visualization engine to configure doors and windows or select from ProVia's impressive collection of vinyl siding and manufactured stone styles. Or, view brochures, videos and photo galleries.



### AN APP FULL OF FUNCTIONALITY!

- Door and Window configuration tools
- Vinyl Siding profiles, colors and accessories
- Manufactured Stone styles and colors
- View videos, photo galleries and brochures
- Locate a ProVia dealer



## PROVIA

Visit the App Store to download your free ProVia app today!



Visualize Your Design



Design Products with  
Advanced Features



Browse Catalogs &  
Photo Galleries

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“To serve, by caring for details in ways others won’t.” It’s not just our mission, but a way of letting our light shine every day at ProVia®. We continually strive to put these words into action by providing unmatched quality and service. The P-icon symbolizes each employee’s commitment to devoting the utmost care, pride and quality into each building product we manufacture...it’s The Professional Way.



At ProVia, we manufacture energy efficient products and exercise corporate environmental stewardship by recycling, reducing pollution emissions and much more. In fact, our company has received repeated awards from the Environmental Protection Agency such as Partner of the Year - Sustained Excellence for outstanding efforts in energy savings.



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