THERMAL
Windows & Doors

5000 SERIES

Designed for Your Life. Guaranteed.™

Premium Vinyl

Replacement Windows

and Patio Doors

5000 SERIES

It's time to meet the window designed for your life. Welcome top-of-the-line energy efficiency – and all the money you'll save on energy bills. Embrace having more time to spend on the things you care about, rather than on scraping and painting old wood windows. Say hello to a brighter, more beautiful home.

We're Thermal Windows & Doors. In 1960, we created the very first custom-vinyl replacement window in America, and today we're pleased to bring our state-of-the-art windows to you, all backed by one of the strongest lifetime guarantees in the industry.

Introducing the 5000 Series, a window designed for your peace of mind, with the energy efficiency, structural integrity and decorative features that you want.

Thermal Windows. **Designed for Your Life. Guaranteed.™**

Windows should brighten up your life, not complicate it. With vinyl windows from Thermal, you'll get top-of-the-line performance and energy efficiency – without ever having to scrape, sand or paint another window again.

Energy Efficiency

It's all in the name. Thermal Windows offer the very best in energy efficient features. Our warp-resistant vinyl, fully-welded frames and Peak Performance™ Glass options provide tight seals and exceptional insulation, so you'll have lower energy bills year-round.

Easy Care

We use the highest quality PVC vinyl in our windows, which means they'll never warp or need painting or refinishing. Tilt-in sashes and optional grids between the panes make cleaning even easier.

Environmentally Friendly

Greener is always better. PVC vinyl is a better option for the environment than many competing products. It emits less CO_2 and requires 20 percent less energy to produce than other plastics.

Fully Customizable

Choose from a wide range of enhancements and customizable options to make your windows fit any cosmetic, functional, style or budget requirement. With vinyl windows from Thermal, you can add custom color-matched exterior frames, custom shapes, internal grids, thermal upgrades and much more.

Picture Window

VINYL ADVANTAGES

The Features that Matter Most

Choose from industry-leading features that offer the benefits you care about: energy savings, appealing design and quality construction, all backed by a lifetime warranty.

Energy Savings

- **Peak Performance™ Glass** combines one lite of Low-E glass and one lite of clear glass, enhanced with Argon gas and a warm-edge spacer system for increased thermal performance
- **Dual Compression Seals** reduce air infiltration
- **Dual Weather-Stripping** virtually eliminates air and water infiltration
- **Interlocking Sashes** reduce air infiltration at meeting rail

Built to Last

- **Solid Vinyl Construction** will not chip, peel or rot and never requires scraping or painting
- **Fusion-Welded Frame and Sashes** for maximum strength
- **Parallel I-Beam Construction** provides increased strength, durability and structural integrity
- **Multi-Chambered Construction** provides enhanced structural integrity
- **Integral Pocket Header** provides clean interior appearance and prevents air infiltration
- **Sloped Sill and Dual Drainage** with weep system significantly improves water drainage

Life Made Easier

- **Lifetime Warranty, 50-year Insulating Glass Warranty and 25-year Glass Breakage Warranty** for your peace of mind
- **Constant Force Balance System** offers easy, frictionless sash movement
- **Balance Covers** provide a clean, aesthetically pleasing appearance
- **Beveled Screen Track** stiffens frame and enables easy screen removal
- **Fiberglass Half Screen*** is standard
- **Equal Sash Sight Lines** provide a greater viewing area
- **Extruded Vinyl Lift Rails** ensure easy sash operation
- **Recessed Lock** creates clean sight-lines
- **Dual Night Latches** offer ventilation
- **Tilt Latches** make it easier to clean your windows
- **Locking Zinc Pivot Pins** prevent accidental sash removal while cleaning your windows

5000 FEATURES

Manufacturer reserves the right to substitute components as necessary.
*Screens are not meant to restrain a child from falling through an open window.

Recessed Lock

Night Latch

Tilt Latch

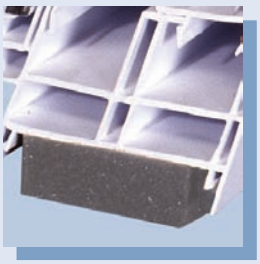
Optional Features

Vortex™ Sill

Quickly removes water from frame system and your home.

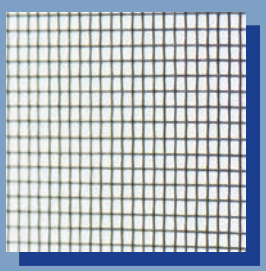
Magnetic Seal

Creates air and water tight seal between sash and mainframe.



Foam Frame Wrap

Provides an energy efficient weather seal around the entire window frame, outperforming traditional insulation.



Optional Full Invisi-Screen® with Extruded Frame

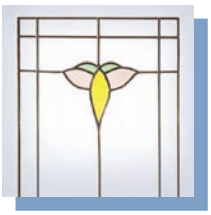
Full-frame screen for sharp, bright visibility with increased insect protection.

Compare Invisi-Screen® visibility (left) with Conventional Screen (right)

Obscure Glass Options

Choose this frosted glass option for rooms that require privacy.

Obscure Glass



Gentle Blossom

DreamGlas® Options

Select from a series of custom-made decorative glass designs that capture the distinct textured look of stained glass.

Grid Options

Choose from a wide variety of decorative grid patterns, styles and colors. All grids come between the glass for easy maintenance and a clean, modern look. Grid options include:

- 3/8" square
- 5/8" flat
- 5/8" or 1" contoured

5/8" Flat Grid

1" Contoured Grid

Screen Options*

Choose a screen with the look and the functionality your home needs. Fiberglass half screens come standard with double hung windows, or choose from:

- Half screen: in charcoal aluminum or Invisi-Screen®
- Locking half screen: in fiberglass, charcoal aluminum or Invisi-Screen®
- Full screen: in fiberglass, charcoal aluminum or Invisi-Screen®

Locking Half Screen

Vinyl Color Options**

White
Interior/Exterior

Earthtone
Interior/Exterior

WoodGrain Interior Options**

Natural Oak***
Paintable/Stainable

Golden Oak****

Dark Oak****

Painted Exterior Finish Options**

Custom color match is available

American Clay

Terratone

Safari Brown

Gray

Green

Brick Red

Hardware Options**

Brushed Nickel

Brass

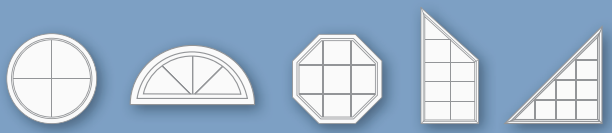
Mocha*****

Manufacturer reserves the right to substitute components as necessary.
* Screens are not meant to restrain a child from falling through an open window.
** Printing process may affect color shown. Please refer to actual window sample when selecting colors. The availability of dark color options can vary by region. Ask your sales representative for details.
*** Earthtone lock comes standard.
**** Mocha lock comes standard.
***** Standard on Golden and Dark Oak. Not available on White and Earthtone.

5000 SHAPES & STYLES

Custom Shapes

Make your home your own with custom window shapes and bold architectural statements. From octagons to trapezoids, full circles to half rounds, we can build a window to fit your needs and specifications.



Full Round | Half Round | Octagon | Trapezoid | Triangle

Awning

Casement

Bay

Complementary Styles

The many complementary styles available allow you to add distinction and design to your home. The possibilities are boundless — and the results are stunning.

- Awning Windows
- Casement Windows
- Bay & Bow Windows
- Garden Windows
- Sliders
- Patio Doors

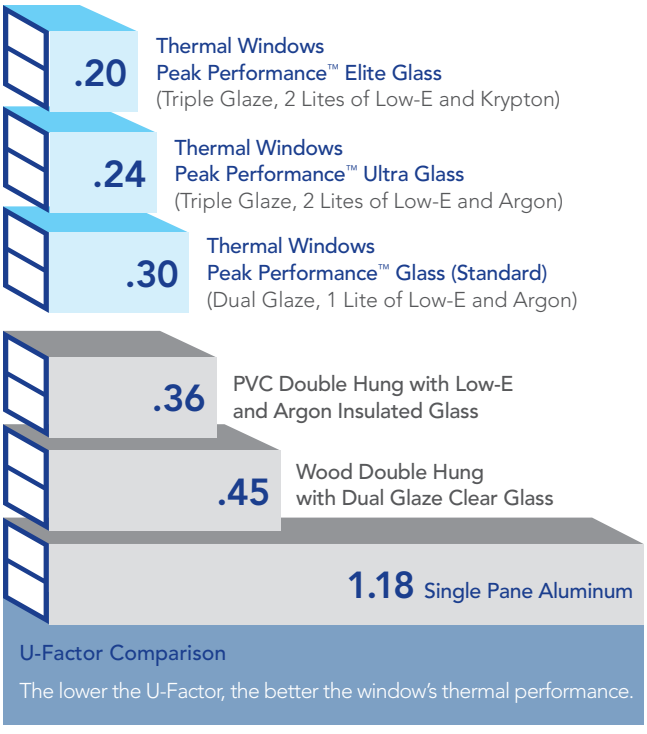
Bow

3-lite Slider

Patio Door

Performance You Can Count On

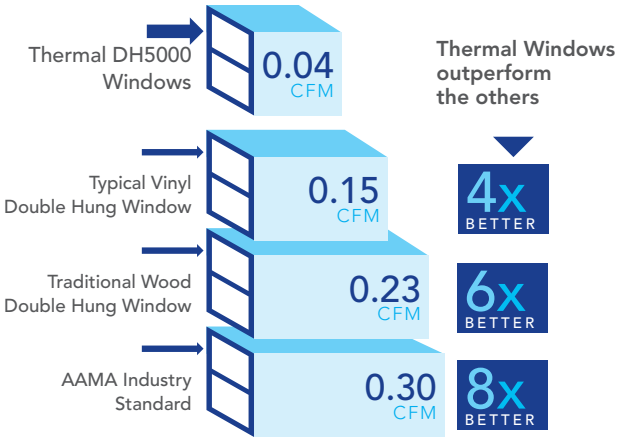
The Series 5000 Window System protects your home and your wallet from rising heating and cooling bills with the Peak Performance™ Insulating Glass System. This advanced glass system features one lite of high performance Low-E Glass and one lite of clear glass combined with insulating Argon gas and warm-edge technology, making your home a haven of optimum energy efficiency and comfort.



NOTE: Values are for single strength glass units.

Air Infiltration

When it comes to air infiltration, less is more. The lower the CFM (cubic feet per minute), the less air the window lets pass through. This example shows how our windows compare to other windows and industry standards.

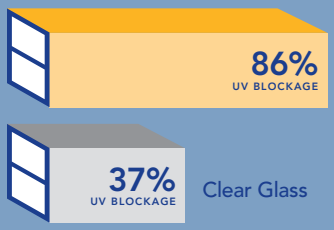


NOTE: Values denote rounding to the next whole number.

5000 ENERGY EFFICIENCY

Fade Protection

Ultraviolet light inhibitors help prevent harmful UV rays from damaging and fading your furniture, drapes, carpets and hardwood floors.



Thermal Windows
Peak Performance™ Glass (Standard)
(Dual Glaze, Low-E and Argon)

Clear Glass

Note: Values are for single strength glass units only, not for the entire window.

Energy Efficient Glass Options

Thermal Windows & Doors is proud to manufacture vinyl replacement windows and doors with the ENERGY STAR® label. Every ENERGY STAR qualified window is independently certified by the National Fenestration Ratings Council, or NFRC, to perform at or above strict levels set by the U.S. Department of Energy. The rating gives you the tools needed to compare window performance.

Peak Performance™ Glass

Our Peak Performance Glass system is a dual-pane insulating glass system that combines one lite of high performance Low-E Glass and one lite of clear glass. The air space between the two is enhanced with Argon, an insulating gas. Consider the Peak Performance Eco Glass system, which combines one lite of high-performance triple coat Low-E Glass and one lite of clear glass, for climates where solar control is important.

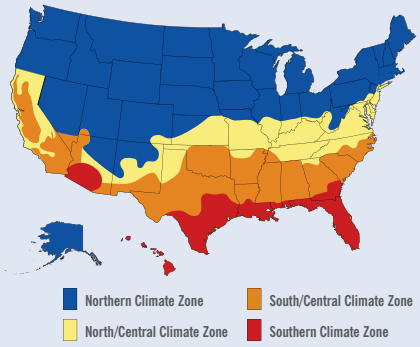
Peak Performance™ Ultra Glass

Peak Performance Ultra Glass combines triple glazing, Low-E Glass and Argon gas to offer a U-factor of 0.24, an insulating value that exceeds ENERGY STAR criteria.

Peak Performance™ Elite Glass

The addition of Krypton gas for optimal insulation gives our Peak Performance Elite Glass system an exceptional U-factor of 0.20, which far exceeds ENERGY STAR criteria and Department of Energy R-5 criteria (the lower the U-factor, the better a window insulates).

ENERGY STAR Climate Zone Map



Criteria for Windows

Climate Zone	U-Factor	SHGC
Northern:	≤ 0.30 = 0.31 = 0.32	Any ≥ 0.35 ≥ 0.40
North/Central:	≤ 0.32	≤ 0.40
South/Central:	≤ 0.35	≤ 0.30
Southern:	≤ 0.60	≤ 0.27

ENERGY STAR

Ask about our ENERGY STAR qualified windows and doors. We offer a variety of high-performance, insulating glass systems that qualify our products for the ENERGY STAR label.

GreenSpec® LISTED
www.GreenSpec.com

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