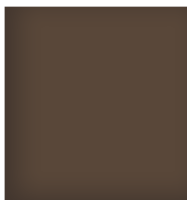
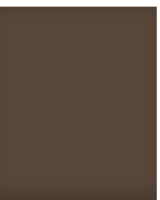


# *L'egance*<sup>TM</sup> PATIO DOOR



Open Your Window  
Of Possibilities.

Premium Vinyl

Replacement Windows

and Patio Doors



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 provides 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<sub>2</sub> 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.



For more than 50 years, Thermal Windows & Doors has been innovating and manufacturing products that exceed industry standards. In fact, as the first vinyl replacement window manufacturer in the nation, we set the standard. And it has been our ongoing mission to develop new products that provide greater energy efficiency, enhanced structural integrity and aesthetically pleasing design.

We can be counted on, then as now, to provide customer service that exceeds expectations. In short, we put you first, and that is as it should be. We look forward to the next 50 years of providing the products and service that you want and expect.

**THERMAL WINDOWS. OPEN YOUR WINDOW OF POSSIBILITIES.**



“Thermal Windows & Doors has remained committed to serving their dealer base like old-fashioned companies used to. That is a testament to whom they hire and how they hire .... always looking for the best in the business.”

*- Jay Deems, Minnesota Rusco Inc.*



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Features

Finishes & Options

Energy Efficiency

Glass Pack Options

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.

The standard features on the L'egance Patio Door will enable years of performance and comfort. The many options and design enhancements will allow you to customize the door to meet the aesthetic needs of any décor.

## ENERGY SAVINGS

- **Intercept® ULTRA stainless steel black spacer made from an alloy material and U-shaped design** provides superior thermal performance, durability and strength
- **Weather-Stripping** virtually eliminates air and water infiltration
- **Cardinal LoE<sup>2</sup>-270® Neat glass**, which is now standard, combines the ultimate in low maintenance (naturally clean glass) with year-round comfort in different climates, so homes stay warmer in winter, cooler in summer
- **Superior Sash Interlock** reduces weather infiltration while increasing security

## BUILT TO LAST

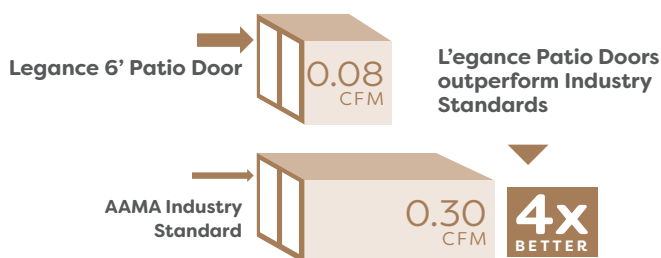
- **Solid Vinyl Construction** will not chip, peel or rot and never requires scraping or painting
- **Fusion-Welded Frame and Sashes with Aluminum Reinforcement** offer maximum strength and lasting performance
- **Tested to AAMA's strict standards** assuring structural integrity

## LIFE MADE EASIER

- **Monorail Track Design** provides smooth glide motion on opening and closing
- **Grooved Aluminum Step Plate** provides an area to scrape off dirt and soil, keeping your home cleaner
- **Heavy Duty Screen\* with Anti-Racking System** ensures smooth operation
- **Keyed, Dual-Point Lock** offers peace of mind
- **Recessed Security Bolt** offers further peace of mind (White and Earthtone are standard. Available in Brushed Nickel)

## AIR INFILTRATION

When it comes to air infiltration, less is more. The lower the CFM (cubic feet per minute), the less air the patio door lets pass through. This example shows how our patio door compares to industry standards.



NOTE: Values denote rounding to the next whole number.

\*Screens are not meant to restrain a child from falling through an open window.





Monorail Track



Heavy Duty Screen  
with Anti-Racking  
System



Keyed, Dual Point  
Lock



Recessed Security Bolt

# L'egance

OPTIONAL FEATURES

## INNOVIA BLINDS:

The blinds feature an improved cord stack due to patented lift/tilt hardware, no slip gear belts, a patented lower-gear anchor and a self-leveling bottom rail.



## TRIPLE GLAZE GLASS:

Choose from high-performance insulating glass systems featuring Low-E glass enhanced with Argon or Krypton Gases and sealed with Intercept® ULTRA Stainless Steel Black spacer made from an alloy material.



## Additional

- Custom Shaped Accent Windows
- Custom sizes available
- 60 Package for Coastal Applications

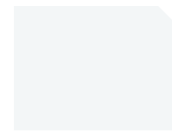
## Pet Screen

Resistant to wear and tear of household pets.



# WHO DOESN'T LOVE HAVING OPTIONS?

## VINYL COLORS\*\*\*



White  
Interior/Exterior



Earthtone  
Interior/Exterior



Brown Laminate\*\*\*\*  
Exterior/White Interior

## PAINTED EXTERIOR FINISHES\*\*

Custom color match is available



Clay



Terratone



Safari Brown



Gray



Green



Brick Red



East Coast Green



East Coast Bronze



East Coast Clay



East Coast Onyx



East Coast Terra



East Coast Red



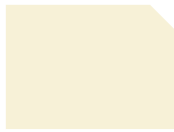
East Coast Grey



East Coast Graphite



East Coast Khaki



East Coast  
Sandune



Musket Brown

## HARDWARE FINISHES\*\*



White



Brushed  
Nickel



Earthtone



Mocha



Cherry



Oil Rubbed  
Bronze



Safari  
Brown

## WOODGRAIN INTERIORS\*\*



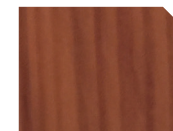
Natural Oak  
Paintable/Stainable  
Standard with Earth-  
tone Hardware



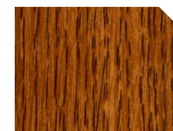
Golden Oak  
Standard with Mocha  
Hardware



Dark Oak  
Standard with Mocha  
Hardware



Cherry  
Standard with Cherry  
Hardware



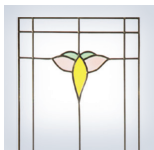
Pecan  
Standard with  
Brushed Nickel  
Hardware

## DREAMGLAS®

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



Crystal  
Border



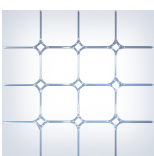
Gentle  
Blossom



Crystal  
Facets



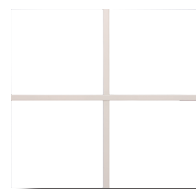
Prism



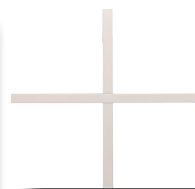
Galaxy

## GRIDS

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.



3/8" Square Grid



5/8" Flat Grid



1" Contoured Grid

**THROWBOLTS** are available in white, earthtone, brushed nickel, cherry, and oil-rubbed bronze.



# 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 and door 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 and door performance.

## Peak Performance™ Elite Glass

The addition of Krypton gas for optimal insulation gives our Peak Performance Elite Glass system an exceptional U-factor of 0.18, which far exceeds ENERGY STAR criteria and Department of Energy R-5 criteria (the lower the U-factor, the better a window insulates).

## Peak Performance™ Ultra Glass

Peak Performance Ultra Glass combines triple glazing, Low-E Glass and Argon gas to offer a U-factor of 0.22, an insulating value that exceeds ENERGY STAR criteria.

## Peak Performance™ Supreme Eco Glass

Peak Performance Supreme Eco offers four surfaces one pane containing a hard coat of low-e combined with a pane of triple layered low-e glass and a U-factor of 0.24\*.

## Peak Performance™ Supreme Glass

Adding hard coat low-e on glass panels 4th surface enhances our Peak Performance low-e panels with Argon gas for ultimate energy savings and a U-factor of 0.24\*.

## Peak Performance™ LE Glass

Peak Performance LE offers two panes of glass with additional soft coat low-e for increased thermal performance with a U-factor of 0.28\*.

## Peak Performance™ Eco

Combines one lite of triple coat low-e glass and one lite of clear glass, enhanced with Argon gas and a stainless steel black spacer system for exceptional thermal performance for a U-factor of 0.28\*.

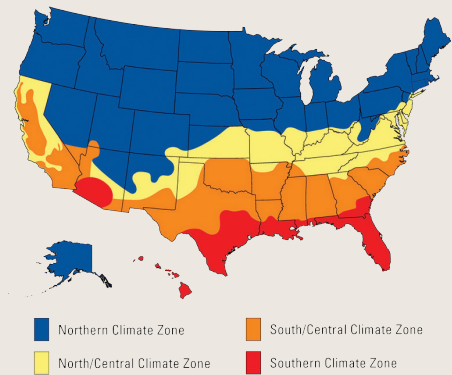
## Peak Performance™ Glass

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 and offers a U-factor of 0.28\*.

Unit configurations that were tested are:

Triple Pane is with single strength, foam frame and sash, no grids, and super spacer. Dual pane units are single strength, with foam frame and sash, no grids, and ULTRA spacer. \*Includes ULTRA spacers in foam filled sash and frame. NOTE: Values are for single strength glass units.

## ENERGY STAR CLIMATE ZONE MAP



## CRITERIA FOR WINDOWS

Climate Zone	U-Factor	SHGC	
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 Rating:		≤ 0.3 cfm/ft²	

## LOW-E GLASS COATING: HOW THEY WORK

Low-E Glass allows natural light to freely enter your home as shown in the diagram below.

During winter months, long wave heat energy radiating from indoor objects is reflected back into the house, keeping your home warm while lowering heating costs.

In the summer, outdoor long-wave heat energy radiating from objects, is reflected back outside, lowering cooling costs. It also reduces the harmful effects of ultra-violet rays by minimizing fading of your carpet and draperies.



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





Windows & Doors

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