

**vinylmax**  
windows

Passion for Homes and Families



THE  
**NEWTON**  
SERIES

# WHY VINYLMAX?



**Quality First.** In our facility, we utilize the most modern manufacturing methods and technology to produce the highest quality vinyl replacement windows. This results in the best value for your home.



**Family Values.** As a family owned and operated business, we value and respect our employees and their families as well as the millions of families who have our windows in their homes.



**Warranty.** To protect your investment and our reputation, we back our products with a Lifetime Limited Warranty so strong that it will exceed your expectations.



**Made in the USA.** Vinylmax is passionate about American manufacturing, American jobs and the American economy. That is why we source the majority of our components from other American manufacturers and fabricate our windows in our Ohio factory. When you buy Vinylmax windows, you can be sure you are not only getting American quality, but also supporting and sustaining local communities.



**Our Process.** Modern homes for modern families require windows designed to aesthetically and efficiently complement them. At Vinylmax, we utilize state-of-the-art manufacturing technology to produce both energy efficient windows and patio doors with features and accessories with today's family in mind.





# STANDARD FEATURES

- 1. Multi-chambered vinyl construction.** Maintenance-free vinyl provides superior strength and thermal efficiency yet won't weather, chip, warp or rot.
- 2. Fusion welded frame and sashes.** Four-point fusion welding ensures sashes and frames are square and true and the corners will never pull apart.
- 3. IdeaSeal™ triple protection.** Mylar fin triple weatherstripped sashes and an integral interlock with two rows of mylar fin weatherstrip, plus foam filled bulb seal means the elements stay out.
- 4. Dual function partitioned sloped sill with directional weep.** Newton's unique partition forms a negative pressure pocket that keeps the sash securely in place, even in the most adverse weather conditions. The slope of the sill and a concealed channel system carries water away from the home's interior.
- 5. Double strength dual pane IntelliGlass.** Optimal energy performance is further enhanced by an accidental glass breakage warranty. Triple pane options are also available.
- 6. FlexScreen.** High-performance PVC coated spring steel frame is damage resistant, beautifully invisible and effortless to install.
- 7. Foam filled frame.** Rigid foam with heat-reflecting particles improves strength and insulation.
- 9. Multi-function tilt locks & keepers.** Heavy-duty die cast locks and keepers integrate the "tilt for easy cleaning" feature into the lock, eliminating unsightly tilt latches. Positive action locks pull window together securely. Face-mounted keeper provides multi-plane stability and security.
- 10. Pivot True balance system.** Strong, stainless steel coils combine with a high impact polymer shoe to provide effortless fingertip operation. Metal on metal pivot connection is durable, while the low-friction design provides whisper quiet operation.
- 12. Deluxe night ventilation locks.** Push-button activated secondary locks permit limited, secure opening of the window from the bottom or top. Meets ASTM F88-97 (Grade 10) forced entry resistance standards.
- 13. Beveled exterior profile.** The beveled exterior frame profile provides visual interest that complements any home style.
- 14. Cove-crafted sash interiors with integral pull rails.** Decorative cove details and even sightlines mimic traditional window styling for distinctive beauty.
- 15. Low profile dedicated head.** Deliberately engineered for strength and efficiency while maximizing daylight glass area.
- 16. Shadow groove welds.** Consistent weld quality emulates the look of finely crafted wood windows.
- 17. Concealed stop system.** Sash stops are concealed, leaving the window jamb interior uncluttered and uninterrupted.
- 18. Optional integral nail fin.** Sturdy fin allows flexibility of installation for all applications, including new construction and full tear outs.

## THE NEWTON SERIES



# DOUBLE HUNG



7



9



10



11



## 2 & 3 LITE SLIDERS

### STANDARD FEATURES

1. **Heavy-duty die cast locks and keepers** pull the window together securely. Face-mounted keeper provides multi-plane stability and security.
2. **Lift out sashes** allow for convenient cleaning from inside the home.
3. **Multi-chambered vinyl construction** provides a maintenance-free lifestyle with superior strength and thermal efficiency.
4. **Integrated weep system** for efficient water management.
5. Multiple **rows of weatherstripping** reduce air infiltration.
6. **Integral pull handles** will never pull loose.
7. **Full overlap interlock** ensures drafts stay out.
8. **Ventilation latch** permits secure ventilation.
9. **Fusion welded corners** are secure and weather tight.
10. **Tandem non-marking rollers** glide effortlessly on monorail track.



3 Lite Slider  
1/4-1/2-1/4



3 Lite Slider  
Equal Lite



# PICTURE WINDOWS

Picture windows are fully fusion welded and maximize natural light. Companion frame style complements operating windows.

Architectural shapes are available.



## COMPLIMENTARY PRODUCTS

THE  
**HIGH POINTE**  
PATIO DOOR



THE  
**PRESTIGE**  
SERIES  
Casements & Awnings | Bays & Bows

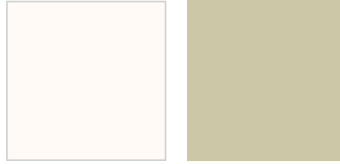


Scan for more information about the Newton Series and other complimentary products.



# CHOOSE YOUR PERFECT LOOK

## COLORS



White

Tan

## GRIDS

Colonial



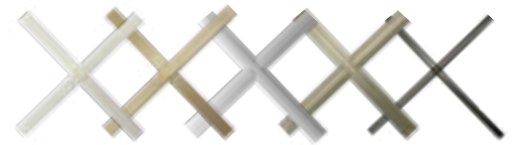
Perimeter



Prairie



Valance



Flat, Georgian, and Pencil profiles available.  
Grids are placed between the glass and are securely locked in to place, so they'll always remain straight and true.

## SCREENS



Newton windows features a 1/2 FlexScreen screen with FlexView improved visibility screen mesh. FlexScreen used high-performance PVC coated spring steel frame is damage resistant, beautifully invisible and effortless to install. Simply hold the screen in your hands, bend the sides in, and fit FlexScreen in to your screen track.

Full FlexScreen is available as an upgrade.

### Available Option



Heavy Duty 1/2 Screen  
(White Only)





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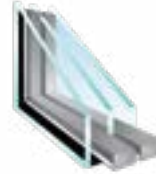
# ANATOMY OF AN ENERGY EFFICIENT WINDOW

- Quality Frame Materials:** low-maintenance frame materials, like vinyl, reduce heat transfer and help to better insulate.
- Multiple Panes:** two or three panes of glass with a gas filled airspace are energy-efficient, resist impact damage and provide sound insulation.
- Low E Glass:** reflects heat and keeps heat inside in the winter and outside in the summer. UV is also reflected, protecting furnishings from fading while allowing plants to thrive.
- Gas Fill:** Inert Argon is more dense and insulates better than regular air.
- Warm Edge Spacers:** like Intercept or Super Spacer, keeps a window's glass panes the correct distance apart. Warm Edge Spacers insulate pane edges, reducing heat transfer through the window.



## Intercept Spacer System

Intercept spacer system features a unique, one-piece U-channel design that effectively reduces heat loss through the window and boasts excellent seal integrity and gas retention.



## Super Spacer

Super Spacer is an optional "no metal" upgrade that decreases condensation and blocks heat escape for the best thermal performance.

# THE NEWTON SERIES

## PERFORMANCE DATA

4800 Double Hung	Intercept			Super Spacer			ENERGY STAR 7.0
	U Value	SHGC	VLT	U Value	SHGC	VLT	
IntelliGlass Low E / Argon - DS	.29	.28	.53	.28	.28	.53	
IntelliGlass X Low E / Argon - DS	.29	.21	.49	.28	.21	.49	S
IntelliGlass N Low E / Argon - DS	.26	.46	.54	.25	.46	.54	N
IntelliGlass C Low E / Argon - DS	.25	.20	.45	.24	.20	.45	NC SC S
IntelliGlass X3 Triple Pane Low E / Argon - DS	.26	.20	.45	.24	.20	.45	SC S
IntelliGlass Plus Triple Pane Low E / Argon - SS	.21	.24	.42	.19	.24	.42	N NC

4850/4853 Slider	Intercept			Super Spacer			ENERGY STAR 7.0
	U Value	SHGC	VLT	U Value	SHGC	VLT	
IntelliGlass Low E / Argon - DS	.29	.29	.54	.27	.29	.54	
IntelliGlass X Low E / Argon - DS	.28	.21	.50	.27	.21	.50	SC S
IntelliGlass N Low E / Argon - DS	.25	.47	.56	.24	.47	.56	N
IntelliGlass C Low E / Argon - DS	.24	.20	.45	.23	.20	.45	NC SC S
IntelliGlass X3 Triple Pane Low E / Argon - DS	.25	.20	.46	.23	.20	.46	NC SC S
IntelliGlass Plus Triple Pane Low E / Argon - SS	.20	.25	.43	.18	.25	.43	N NC

4870 Picture Window	Intercept			Super Spacer			ENERGY STAR 7.0
	U Value	SHGC	VLT	U Value	SHGC	VLT	
IntelliGlass Low E / Argon - DS	.28	.31	.58	.27	.31	.58	
IntelliGlass X Low E / Argon - DS	.27	.23	.53	.26	.23	.53	SC S
IntelliGlass N Low E / Argon - DS	.24	.49	.58	.23	.49	.58	N
IntelliGlass C Low E / Argon - DS	.23	.21	.48	.22	.21	.48	NC SC S
IntelliGlass X3 Triple Pane Low E / Argon - DS	.23	.21	.48	.22	.21	.48	NC SC S
IntelliGlass Plus Triple Pane Low E / Argon - SS	.18	.26	.45	.17	.26	.45	N NC

4870 Picture Window	Intercept			Super Spacer			ENERGY STAR 7.0
	U Value	SHGC	VLT	U Value	SHGC	VLT	
IntelliGlass Low E / Argon - DS	.28	.28	.51	.27	.28	.51	
IntelliGlass X Low E / Argon - DS	.27	.21	.47	.26	.21	.47	SC S
IntelliGlass N Low E / Argon - DS	.24	.45	.52	.23	.45	.52	N
IntelliGlass C Low E / Argon - DS	.23	.19	.43	.22	.19	.43	NC SC S
IntelliGlass X3 Triple Pane Low E / Argon - DS	.24	.19	.43	.23	.19	.43	NC SC S
IntelliGlass Plus Triple Pane Low E / Argon - SS	.19	.24	.40	.17	.24	.40	N NC

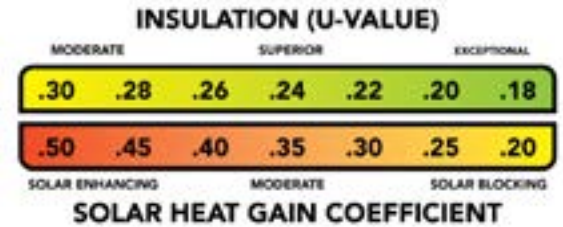
Product Rating	Up to this size window*	Structural Test Pressure PSF	Water Resistance PSF	Air Infiltration cfm/ft <sup>2</sup>
Double Hung R-PG45	40" x 63" SS glass	45	7.5	0.12
Double Hung R-PG50	40" x 63" DS glass	50	7.5	0.09
Slider R-PG25	63" x 44" SS glass	25	4.5	0.13

The lower the **U-value**, the greater a window's resistance to heat flow and the better its insulating value.  
 The lower the **SHGC**, the more a product is blocking solar heat from coming through the window.  
**VLT** - Visible Light Transmittance - lower values mean less light passing through the window.

\* windows outside these size limits have not been structurally tested

# HOW DOES LOW-E GLASS WORK?

The two primary components of glass performance are Insulation and Solar Control. Insulation is how well a window resists the transfer of heat or cold. It is measured as U-Value, and the lower the value, the more the window insulates. The sun is a powerful source of energy, that can be very beneficial in cold climates, or make things uncomfortably hot in warmer locations. Solar Heat Gain Coefficient measures how much solar energy passes through a window. The lower the coefficient, the more solar heat is blocked.



Low-E glass is coated with multiple specialized layers of silver and other substances that filter, block and reflect various types of energy. Vinylmax uses four different Low-E coatings to deliver the right combination of insulation and solar control, while blocking harmful UV radiation and still allowing natural light to stream in.

Two or even three panes of glass are combined with Warm Edge spacer to create IntelliGlass units. Each of the cavities between the panes of glass are filled with Argon gas. Argon is denser than air, so it adds extra insulation by making it more difficult for heat or cold to transmit through the glass units. Vinylmax uses high quality sealants, sophisticated filling equipment and a voluntary verification system to ensure consistent glass performance.

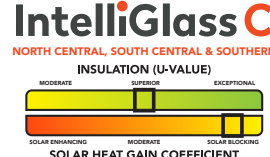
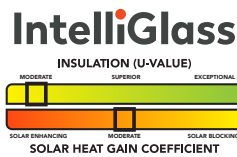
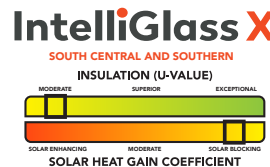
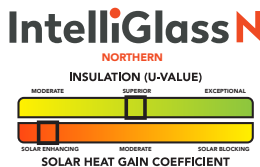
## INTELLIGLASS PACKAGES

IntelliGlass combines the power of Low-E glass with Warm Edge spacer and Argon gas to deliver efficient management of radiation, whether it's solar, light, ultraviolet or heat. Today's windows are more than 80% glass, and selecting the ideal IntelliGlass package to meet the your home's climate challenges is the BEST way to keep your home comfortable and ensure optimum energy performance all year long. the coefficient, the more solar heat is blocked.

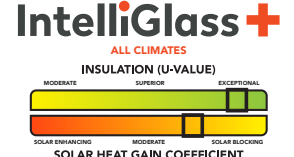
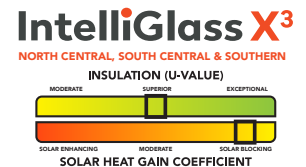
### Choosing the Right Glass Package

The needs of every home are different and Vinylmax has an IntelliGlass package to perfectly fit any home's energy needs. Use this handy guide to match your desired insulation and solar control performance with your climate zone to select the ideal IntelliGlass package for your home.

#### Dual Pane



#### Triple Pane



## ENERGY STAR 7.0

As an ENERGY STAR partner, Vinylmax is committed to manufacturing high-performance, energy-efficient windows and doors that meet and exceed the energy saving criteria established by the EPA. By selecting an ENERGY STAR certified product, not only will your home be more comfortable all year round with lower energy costs, but you will also be protecting the environment by reducing energy consumption.



ENERGY STAR® for Windows, Doors, and Skylights  
CLIMATE ZONE MAP





# WARRANTY

Many windows claim to carry a lifetime warranty, but Vinylmax replacement windows are backed by one of the strongest window warranties available.

Our Lifetime Limited Warranty includes:

**VINYL** - warranted against warping, chipping, cracking, blistering rotting.

**GLASS** - warranted against visual obstruction, seal failure, spontaneous AND accidental breakage.

**SCREEN** - frame warranted against cracking or breaking, cloth warranted against rotting or staining.

**PARTS & HARDWARE** - are warranted against cracking, breaking or failing during normal use.

We want you to love your windows for as long as you live in your home. In fact, we want the next homeowner to love them, too, so the warranty is transferable.\*

\*Limitations apply.



# THE VINYLMAX STORY

Founded in 1982 by the Doerger family and manufacturing a mere five windows per day, the Vinylmax legacy began to unfold. As one of the very first vinyl window manufacturers in the United States, Vinylmax embraced the philosophy that quality custom windows manufactured quickly would inspire loyalty in its customers.

Today, the next generation of the Doerger family continues to embrace that philosophy. Millions of American homes are more beautiful and more energy efficient, thanks to Vinylmax windows.



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