



what's *your* idea
of the perfect window?



Newton
The Smart Idea Window



More than 30 years of experience have taught us that one size doesn't fit all. Every home has its own unique character. Every family has its own personality. Every region has distinct energy needs. Newton windows make every combination of style and efficiency possible.

We have our own *ideas*.



Quality First. In our facility, we utilize the most modern manufacturing methods 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 embrace the importance of 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. Twice.

Made in USA. We are stewards of American manufacturing and support our economy by proactively sourcing components made by other American manufacturers. This commitment results in windows with at least 90% domestic content and allows us to proudly label every Newton window "Made in USA".



What are your *ideas*?

Newton Double Hungs blend beautifully with traditional decor.



When its time to clean, the multi-function lock allows the sashes to release for easy access to both sides of the glass.



Newton Double Hungs and Picture Windows combine for a dramatic window wall.



Model 4800
Double Hung

 **Newton**
The Smart Idea Window



Window *features*

CONSTRUCTION FEATURES

Multi-chambered vinyl construction. Maintenance-free vinyl provides superior strength and thermal efficiency, yet won't weather, chip, warp or rot.

Fusion welded frame and sashes. Four-point fusion welding ensures sashes and frames are square and true and the corners will never pull apart.

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.

Dual function partitioned sloped sill with directional weep. Newton's unique partition forms a negative pressure pocket that keeps 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 home's interior.

Double strength dual pane IntelliGlass. Optimal energy performance is further enhanced by an accidental glass breakage warranty. (other options available)

Heavy duty extruded half screen with UltraVue mesh. Smooth, wide face blends with window exterior. Interior spline is protected from UV damage.

NeoPor™ Rigid Thermal Insulation filled frame. Fluorocarbon-free foam with heat-reflecting graphite particles improves strength and insulation.

Optional integral nail fin. Sturdy fin allows flexibility of installation for all applications, including new construction and full tear outs.

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.

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.

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.

Beveled exterior profile. The beveled exterior frame profile provides visual interest that complements any home style.

Cove-crafted sash interiors with integral pull rails. Decorative cove details and even sightlines mimic traditional window styling for distinctive beauty.

Low profile dedicated head. Deliberately engineered for strength and efficiency while maximizing daylight glass area.

Shadow groove welds. Consistent weld quality emulates the look of finely crafted wood windows.

Concealed stop system. Sash stops are concealed, leaving the window jamb interior uncluttered and uninterrupted.

HARDWARE HIGHLIGHTS

AESTHETIC DETAILS



NeoPor™ foam in the frame is enhanced with graphite that reflects radiant heat and also provides extra strength for your Newton windows.



Die-cast locks activate a hidden tilt feature that allows the sash to tilt in. Specially designed keepers leave the interlock uninterrupted, reducing air leaks.



Forced entry resistant secondary vent locks securely limits how far the sash will open, allowing for worry-free ventilation.

More Styles

Newton sliding windows are streamlined and stylish at the same time. Two and three lite models feature a horizontal design and effortless gliding action. They provide the form and function that truly complements other Newton designs.



Newton Two Lite Sliders highlight an expansive view.



Newton Three Lite End Vent Slider provides light and ventilation.

Simplicity doesn't necessarily reduce functionality. Whether fitting in a tight space or showcasing a fantastic view, Newton sliding windows complete a room.

Newton picture windows are versatile enough to enhance contemporary and traditional spaces. Not limited to just rectangles, Newton picture windows are available in circle tops, arches, trapezoids and a variety of other shapes to transform ordinary to extraordinary, adding personality to your home.



Newton Picture Windows combine to add height and elegance.



Slider Features

- Multi-chambered vinyl frame and sashes
- Multi-point fusion welding technology
- Decorative coving and detailing
- Integral ergonomic sash pull handles
- Die Cast cam locks securely lock window
- Ventilation latch limits sash travel
- Tandem brass rollers facilitate smooth sash movement
- Multiple rows of weatherstripping on frames and sashes
- Overlap interlock protects against moisture and air
- Two and three lite end vent styles are available

Picture Window Features

- Multi-chambered vinyl frame is energy-efficient and maintenance-free
- Multi-point fusion welding technology ensures corner integrity and strength
- Effective weep water management system
- Variety of shapes available

Make it *your* Window

colors

Choosing the decorative features of your new windows allows for complete personalization for your home's aesthetic. Start by selecting vinyl interior and exterior finishes that are anything but ordinary. Whether selecting solid, color true vinyl or our exquisite decorator exterior finishes, your home will take on your ideal ambiance.



White



Tan

Looking for woodgrains?
Consider our **Sherwood**
natural hardwood
interior windows

SherWood
Custom Wood Replacement Windows & Doors

Decorator Exterior Finishes



Tan

Clay

Cocoa

Forest

Brick

Bronze

Terra



grids

Stylize your home with decorative grids. A variety of grid profiles are available. Patterns vary according to window style, size and even your preference. Other decorative options available, too.

Between-the-glass grids are securely locked into the spacer, so they'll always stay straight.

Flat, Georgian and Pencil profiles available.

Simulated Divided Lites available in Georgian only.



Georgian



Pencil



Colonial



Prairie



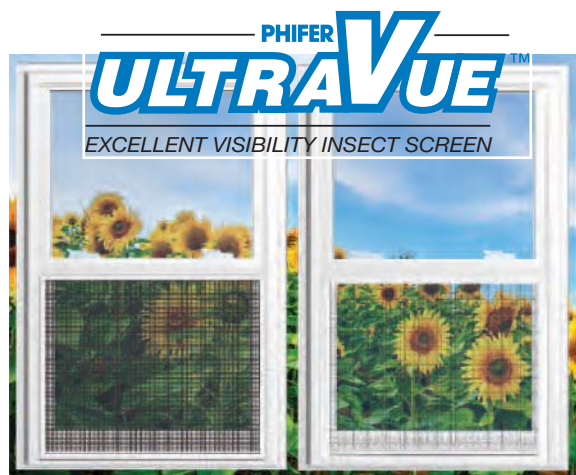
Diamond



Valance

screens

Typical window screens are flimsy and difficult to remove. All our screen options are designed to enhance your enjoyment of your windows. Select the screen type that best fits your lifestyle.



Our standard heavy-duty extruded aluminum half screen frame features a full surround lift rail and interior facing spline for protection from UV.

All Newton screens use UltraVue mesh, which is ideal for windows where the focus is on the view.

- 25% better airflow, allowing light, fresh breezes to flow through
- 25% more optical clarity for a crisper, brighter outward view
- 20% Better Insect Protection



Optional FlexScreen Frame

A 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 into your screen track.



How Low E glass works

Low Emissivity (Low E) glass is one of the cornerstones of any energy-efficient window. Its primary purpose is managing radiation, whether its solar, light, ultraviolet or heat. The secret is two microscopic layers of silver, which reflects heat back to its source. Other layers in the Low E coating filter ultraviolet and solar radiation, while allowing visible light through.



In predominantly **heating** environments, IntelliGlass reflects furnace heat back into the home, reducing the burden on the furnace, yet keeping your home warm and comfortable. Some solar radiation passes through the glass, acting as a source of free energy. Most UV radiation is blocked, while a high amount of visible light shines through.



In predominantly **cooling** environments, IntelliGlass reflects exterior heat away from your home. Solar radiation is filtered to preserve the comfortable indoor temperature the air conditioner provides. Most UV radiation is blocked, while a high amount of visible light shines through.

What about gas filling? Is it really in there?

Both Argon and Krypton are available in IntelliGlass packages. Both of these inert gases are denser than air, so they make it more difficult for heat or cold to transmit through the glass units. Vinylmax utilizes high quality sealants, sophisticated filling equipment and a voluntary verification system to ensure consistent glass performance.

What if our home is in a climate that is both heating and cooling?

Each IntelliGlass package features climate-specific Low E glass that is designed to maximize energy efficiency for your Energy Star Climate Zone. Choosing a triple-pane option provides the ultimate in window performance, and meets Energy Star Most Efficient performance criteria.

Spacer Systems

Newton Windows have the option of two different spacer systems. Each system has its own unique performance characteristics. Why do we offer two? It's your window, so it should be your choice!

Intercept Spacer System is standard on all Newton Windows. Steel provides structural strength, while a proprietary warm edge sealant resists conductivity. Its flexible u-channel design ensures seal integrity.



Super Spacer

Optional SuperSpacer is the "no metal" upgrade to help your windows reduce energy costs. It's foam structure blocks heat escape for best thermal performance.





Energy *ideas*

Maximizing energy performance is the true measure of window quality. By choosing Newton Replacement Windows, you have the option to fine tune the energy performance of each window in your home.

IntelliGlass high performance Low E glass with Argon gas fill is standard on all Newton Windows. This all-purpose dual pane package combines the power of ClimaGuard Low E glass with the industry proven performance of Intercept Spacer System. Both components' effectiveness is enhanced by Argon gas filling in the space between the panes.



Dual Pane Options

(available with *Super Spacer*)

IntelliGlass for cold climates

IntelliGlass X for warm climates

Triple Pane Options (available with *Super Spacer*)

IntelliGlass Plus with two panes of Low E glass and two cavities of Argon gas fill.

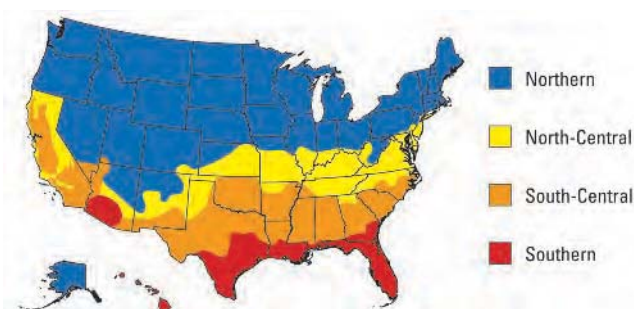
IntelliGlass X3 solar control Low E glass and two cavities of Argon gas fill

IntelliGlass Supreme with 2 panes of Low E glass and two cavities of dense Krypton gas.

Save money — and more.

Installing ENERGY STAR® qualified windows and doors lowers energy bills and saves you money. With more efficient windows, you also use less energy, which reduces greenhouse gas emissions from power plants. Can you feel your carbon footprint shrinking?

Newton Windows can be specified with high-performance glass to meet ENERGY STAR criteria in each specific climate zone.



The NFRC Label

The National Fenestration Rating Council provides information enabling homeowners to accurately compare window performance. Here is a summary of what gets measured and why.

U-Factor measures how well a window prevents heat from escaping. The lower the U-factor, the greater the window's resistance to heat flow and the better its insulating value.

Solar Heat Gain Coefficient measures how well a window blocks heat from sunlight. The sun can provide free heat in the winter, but lead to overheating in warmer conditions. Selecting different types of Low E glass coatings allows for balancing Solar Heat Gain appropriately for each individual home.

Visible Light is the natural daylight that streams through a window. The higher the VLT, the more light your windows allow in your home.

Air Leakage is a natural part of all operating windows. The lower the number, the less air that flows through the window when it is closed and locked.

 National Fenestration Rating Council® CERTIFIED	 VIM-M-46 4800 Series DH Vinyl Extruded Frame Double Glaze Argon Fill Low E Coating
ENERGY PERFORMANCE RATINGS	
U-Factor (U.S./I-P) .28	Solar Heat Gain Coefficient .33
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance .48	Air Leakage (U.S./I-P) ≤ .3
<small>Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information. www.nfrc.org</small>	



The company we keep



The National Accreditation and Management Institute (NAMI) is an independent agency which provides third party certification and inspection services to the window and door industry. This permanent gold label provides confidence that the products you choose, when installed properly, match the quality of the sample product tested according to the requirements set forth in American Architectural Manufacturing Association (AAMA) standards. Products must meet and maintain compliance to these standards.

The National Fenestration Rating Council sets uniform performance standards for windows and doors so that energy performance can be measured and compared. Every Newton window is NFRC certified and labeled. For more information, visit www.nfrc.org



ENERGY STAR is a program developed by the Environmental Protection Agency to help us all save money and protect the environment through energy efficient products without sacrificing features, style or comfort. Look for windows that have earned the ENERGY STAR. They meet strict energy efficiency guidelines. For more information, visit www.energystar.gov



The American Architectural Manufacturer Association (AAMA) is a primary source for industry performance standards. AAMA brings together window, door, skylight, curtain wall and storefront manufacturers, suppliers and test labs. Newton windows manufactured by Vinylmax are designed to meet or exceed AAMA's stringent standards.



Efficient Windows Collaborative (EWC) members have made a commitment to manufacture and promote energy-efficient windows. The EWC provides unbiased information on the benefits of energy-efficient windows, descriptions of how they work, and selection recommendations. For more information, visit www.efficientwindows.org



Newton windows are manufactured exclusively by Vinylmax. With more than thirty years of manufacturing experience, Vinylmax has consistently been named one of the Top 100 Manufacturers in North America by Window & Door Magazine.



Commitments from our family to yours.

Many windows claim to carry a "lifetime warranty", but Newton 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 transferrable.*

Our warranty can only be this strong because our windows are proudly



*Limitations apply



Performance Summary

with Intercept Spacer
with Foam Filled Frame

Energy Star 6.0



NFRC Thermal Performance Values

4800 Newton Double Hung	U-Value	SHGC	VLT	CR
IntelliGlass Low E / Argon	.28	.37	.54	58
IntelliGlass X Low E / Argon	.29	.21	.47	49
IntelliGlass Plus Triple Pane Low E / Argon	.20	.26	.43	67
IntelliGlass Supreme Triple Pane Low E / Krypton	.18	.26	.43	67
IntelliGlass X3 Triple Pane Solar Control Low E / Argon	.25	.20	.43	65
4800 Newton Double Hung WITH GRIDS	U-Value	SHGC	VLT	CR
IntelliGlass Low E / Argon	.28	.33	.48	58
IntelliGlass X Low E / Argon	.29	.19	.42	49
IntelliGlass Plus Triple Pane Low E / Argon	.20	.23	.38	67
IntelliGlass Supreme Triple Pane Low E / Krypton	.18	.23	.38	67
IntelliGlass X3 Triple Pane Solar Control Low E / Argon	.25	.18	.38	65

4850/4853 Newton Slider	U-Value	SHGC	VLT	CR
IntelliGlass Low E / Argon	.28	.37	.56	58
IntelliGlass X Low E / Argon	.28	.25	.49	58
IntelliGlass Plus Triple Pane Low E / Argon	.19	.27	.44	67
IntelliGlass Supreme Triple Pane Low E / Krypton	.17	.27	.44	67
IntelliGlass X3 Triple Pane Solar Control Low E / Argon	IN TESTING			
4850/4853 Newton Slider WITH GRIDS	U-Value	SHGC	VLT	CR
IntelliGlass Low E / Argon	.28	.33	.50	58
IntelliGlass X Low E / Argon	.28	.22	.44	58
IntelliGlass Plus Triple Pane Low E / Argon	.19	.24	.39	67
IntelliGlass Supreme Triple Pane Low E / Krypton	.17	.24	.39	67
IntelliGlass X3 Triple Pane Solar Control Low E / Argon	IN TESTING			

4870 Newton Picture Window	U-Value	SHGC	VLT	CR
IntelliGlass Low E / Argon	.27	.40	.57	60
IntelliGlass X Low E / Argon	.27	.22	.50	60
IntelliGlass Plus Triple Pane Low E / Argon	.18	.28	.45	67
IntelliGlass Supreme Triple Pane Low E / Krypton	.16	.28	.45	67
IntelliGlass X3 Triple Pane Solar Control Low E / Argon	.23	.20	.46	66
4870 Newton Picture Window WITH GRIDS	U-Value	SHGC	VLT	CR
IntelliGlass Low E / Argon	.27	.36	.51	60
IntelliGlass X Low E / Argon	.27	.20	.45	60
IntelliGlass Plus Triple Pane Low E / Argon	.18	.25	.41	67
IntelliGlass Supreme Triple Pane Low E / Krypton	.16	.25	.41	67
IntelliGlass X3 Triple Pane Solar Control Low E / Argon	.23	.19	.41	66

Structural Performance Values

Product Rating	Up to this size window*	Pressure PSF	PSF	cfm/ft ²
Double Hung R-PG50	40" x 63"	50	7.5	0.09
Slider R-PG25	63" x 44"	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.

VT - Visible Light Transmittance - lower values mean less light passing through the window.

CR - Condensation Resistance - The higher the CR, the less likely condensation is to occur.

* windows outside these size limits have not been structurally tested

Meets Energy Star
Most Efficient

North - Energy Star	North Central - Energy Star	South Central - Energy Star	South - Energy Star
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Beautiful Products to
complement
Newton Windows



When only the warmth of natural wood will do, select **Sherwood** windows and doors.



Prestige specialty windows include projecting windows, like casements, awnings, bays and bows.



High Pointe premium patio doors are efficient and operate effortlessly.

Revised 5/6/16



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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.