

Top Quality Energy-Efficient Replacement Windows and Doors



available exclusively at...

ABC
Supply Co. inc.

Radiance windows are traditionally styled, but that doesn't make them old-fashioned. Packed with modern construction and features, Radiance windows are designed to enhance your home's beauty and energy-efficiency for a lifetime.

Radiance double hungs and picture windows create airy, open space while maintaining comfortable ambiance in your home.

 **vinylmax**
WINDOWS



Radiance sliders are available in 2 and 3 lite configurations and feature self-leveling brass rollers for effortless operation.



Prestige Casement, Bay and Bow windows feature the finest materials and construction.

- Roto X-Drive operating hardware effortlessly handles the weight of even the heaviest sashes with smooth, quiet operation.
- Multi-Point locking system secures the sash tightly into the frame in at least three locking locations.
- Sashes open a full 90 degrees for both maximum ventilation and for cleaning both sides of the glass from inside the home.
- Hand-selected 1-1/4" furniture-grade Birch or Oak hardwood interior is 67% thicker than typical products and won't delaminate or show glued seams.
- Solid Timberstrand laminated wood mullion construction with "walled in" window openings provide superior strength and will not twist or warp.
- Custom designed and made to fit any home
 - 15°, 30°, 45°, and 90° three lite bay windows
 - three, four, five, and six lite bow windows
 - double hung, casement or fixed components
 - customer specified wall depth and widths up to 144"



Elegance Patio Doors offer secure, worry-free operation, without sacrificing the view.

- 6" Fusion welded PVC frame provides lasting maintenance-free security.
- Full height interlock ensures complete protection against air and water infiltration.
- Unique mono-rail heavy duty roller system effortlessly handles the weight of even the heaviest panels.
- Low-profile threshold and track cover make ingress and egress easy and worry-free.
- Heavy duty screen door boasts beefy extruded aluminum frame, multiple nylon rollers and BetterVue improved visibility mesh.
- Field-reversible for quick change of slide direction before installation.



Optional Blinds between the panes of glass means ***no more dusting.*** Ever!



Performance 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.

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.

BioMaxx locks & keepers. Technologically advanced composite material is color true, scratch resistant, lead-free, and is 50% stronger than typical die-cast metal alloy locks. Positive action locks pull window together securely. Closed back keeper conceals lock cam position.

Integral lift and pull rails. Ergonomic handles are located for easy operation, are a fundamental part of the sash and will not pull loose or break.

Flush mount tilt latches. Tilt-in sashes allow for easy cleaning from inside the home. Ergonomic single piece shuttle design will not break, even with thousands of uses.

Optional Sentry System multi-function locking system. Integrates the lock and tilt functions into the same lock housing.

Dual vent latches. Push-button activated latches permit limited, secure opening of the window from the bottom or top.

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

Chisel beveled sash interiors. Modern interior detailing creates dimension and beautifully frames every view.

Radiance Plus
Radiance

X	X
X	X
X	X
X	X
X	X
X	X
X	
X	X
X	X
X	

Choose Decorative Options to create the perfect windows for your home.

Vinyl Colors: Available on Radiance or Radiance plus



White



Tan

Optional Colors for Radiance Plus:



Bronze Exterior laminate on White interior



Tan Exterior laminate on White interior



Clay Exterior laminate on White interior available July, 20 2016



Classic Oak interior laminate on White exterior

Decorator Exterior Finishes



Tan

Clay

Cocoa

Forest

Brick

Bronze

Terra

Radiance Plus
Radiance

IdeaSeal™ triple protection interlock. Mylar fin triple weatherstripped sashes and an interlock means the elements stay out.	X	
Full overlap interlock and two rows of weatherstripping. Provide protection against the elements.		X
Concealed stop system. Sash stops are concealed, leaving the window jamb interior uncluttered and uninterrupted.	X	
Beveled exterior profile. The beveled exterior frame profile provides visual interest that complements any home style.	X	X
Optional NeoPor™ rigid thermal insulation in the frame. Combines fluorocarbon-free foam with graphite particles that reflect radiant heat, improving strength and insulation.	X	X
Low profile dedicated head. Each vinyl piece is thoughtfully designed for a specific purpose. No snap on conversion parts are used so each window enjoys maximum visible light area.	X	
Dual function partitioned sloped sill. This unique partition forms a negative pressure pocket that keeps sash securely in place, even in the most adverse weather conditions. Water management is accomplished by the slope of the sill.	X	
Sloped sill. This facilitates easy water runoff and weeps moisture away.		X
Optional integral nail fin. For ease of matching windows in existing and new construction, integral nail fin is available.	X	
Intercept warm-edge spacer system. Proven seal integrity and conducts less heat and cold than other systems. Plus foam-filled compression bulb at sill seals tightly providing an impenetrable defense against wind and rain.	X	X
Optional IntelliGlass high-performance glass. Climate-specific Low E glass package in dual or triple pane. See additional info.	X	X
Low profile aluminum screen frame. Features BetterVue improved visibility screen mesh.	X	X
Optional FlexScreen - High performance PVC coated spring steel frame is damage resistant, beautifully invisible and effortless to install.	X	



Grid Options:



Georgian Grids add dimensional elegance



Pencil Grids subtly highlight the warm tones of your home

Grid Patterns:



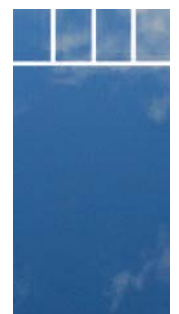
Colonial



Prairie



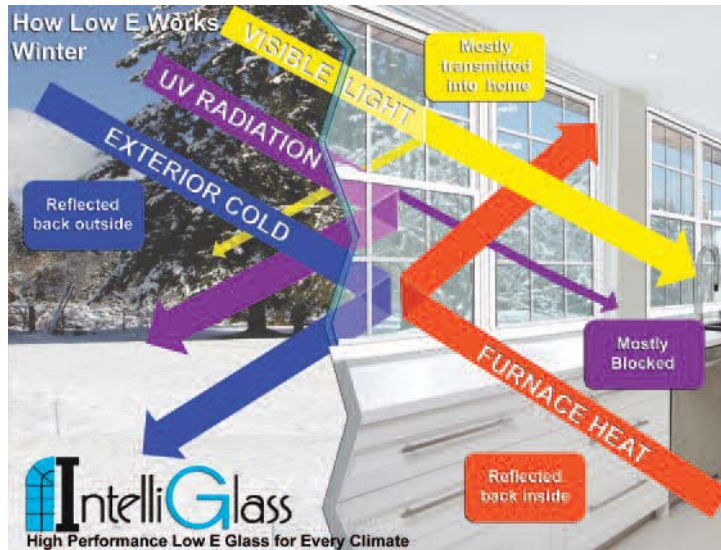
Diamond



Valance

How Low E glass works

Low Emissivity (Low E) glass is one of the cornerstones of any energy-efficient window. It's 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.

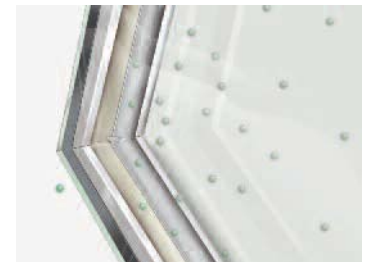
What if our home is in a climate that is both heating and cooling?

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 may meet 2016 Energy Star Most Efficient performance criteria.

Spacer Systems

Radiance 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 Radiance 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.



Super Spacer®

RADIANCE - THERMAL PERFORMANCE DATA

RD100 Double Hung	No Grids				Grids				CR
	U-Factor	SHGC	VLT	Energy Star	U-Factor	SHGC	VLT	Energy Star	
IntelliGlass Low E / Argon	.29	.31	55%	NC	.29	.28	49%	NC	58
IntelliGlass X Low E / Argon	.29	.25	49%	NC SC S	.29	.22	44%	NC SC S	58
IntelliGlass Plus Triple Pane Low E / Argon	.21	.27	44%	N NC	.22	.24	39%	N NC SC S	67
IntelliGlass Supreme Triple Pane Low E / Krypton	.18	.27	44%	N NC	.18	.24	39%	N NC SC S	67
R150/R153 Slider	No Grids				Grids				CR
	U-Factor	SHGC	VLT	Energy Star	U-Factor	SHGC	VLT	Energy Star	
IntelliGlass Low E / Argon	.30	.29	53%	NC	.30	.26	47%	NC	57
IntelliGlass X Low E / Argon	.30	.24	47%	NC SC S	.30	.21	42%	NC SC S	57
IntelliGlass Plus Triple Pane Low E / Argon	.23	.25	42%	N NC SC S	.23	.23	37%	N NC SC S	63
IntelliGlass Supreme Triple Pane Low E / Krypton	.20	.25	42%	N NC SC S	.20	.23	37%	N NC SC S	64
R170 Picture Window	No Grids				Grids				CR
	U-Factor	SHGC	VLT	Energy Star	U-Factor	SHGC	VLT	Energy Star	
IntelliGlass Low E / Argon	.27	.34	62%	N NC	.27	.31	56%	N NC	60
IntelliGlass X Low E / Argon	.27	.27	55%	N NC	.27	.25	49%	N NC	60
IntelliGlass Plus Triple Pane Low E / Argon	.19	.30	49%	N NC	.19	.27	44%	N NC	68
IntelliGlass Supreme Triple Pane Low E / Krypton	.15	.29	49%	N NC	.15	.27	44%	N NC	71

RADIANCE PLUS - THERMAL PERFORMANCE DATA

4600 Double Hung	No Grids				Grids				CR
	U-Factor	SHGC	VLT	Energy Star	U-Factor	SHGC	VLT	Energy Star	
IntelliGlass Low E / Argon	.28	.39	56%	N NC	.28	.35	50%	N NC	58
IntelliGlass X Low E / Argon	.28	.21	49%	NC SC S	.28	.19	44%	NC SC S	49
IntelliGlass Plus Triple Pane Low E / Argon	.20	.27	44%	N NC	.20	.24	39%	N NC SC S	68
IntelliGlass Supreme Triple Pane Low E / Krypton	.18	.27	44%	N NC	.18	.24	39%	N NC SC S	68
IntelliGlass X3 Triple Pane Solar Control Low E / Argon	.24	.21	45%	N NC SC S	.24	.19	40%	N NC SC S	68
4650/4653 Slider	No Grids				Grids				CR
	U-Factor	SHGC	VLT	Energy Star	U-Factor	SHGC	VLT	Energy Star	
IntelliGlass Low E / Argon	.28	.39	56%	N NC	.28	.35	50%	N NC	58
IntelliGlass X Low E / Argon	.28	.25	50%	NC SC S	.28	.22	44%	NC SC S	58
IntelliGlass Plus Triple Pane Low E / Argon	.19	.27	44%	N NC	.19	.24	39%	N NC SC S	67
IntelliGlass Supreme Triple Pane Low E / Krypton	.17	.27	44%	N NC	.17	.24	39%	N NC SC S	67
IntelliGlass X3 Triple Pane Solar Control Low E / Argon	In Testing				In Testing				
4670 Picture Window	No Grids				Grids				CR
	U-Factor	SHGC	VLT	Energy Star	U-Factor	SHGC	VLT	Energy Star	
IntelliGlass Low E / Argon	.27	.40	58%	N NC	.27	.36	51%	N NC	60
IntelliGlass X Low E / Argon	.27	.22	51%	N NC SC S	.27	.20	45%	N NC SC S	60
IntelliGlass Plus Triple Pane Low E / Argon	.18	.28	45%	N NC	.18	.25	41%	N NC SC S	67
IntelliGlass Supreme Triple Pane Low E / Krypton	.16	.28	45%	N NC	.16	.25	41%	N NC SC S	67
IntelliGlass X3 Triple Pane Solar Control Low E / Argon	.22	.20	46%	N NC SC S	.22	.18	41%	N NC SC S	66

■ Meets 2016 Energy Star Most Efficient performance criteria.



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 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 Doerger family continues to embrace that philosophy. Millions of American homes are more beautiful and more energy efficient, thanks to Vinylmax windows. With a commitment to exceeding industry standards, Vinylmax offers you a Limited Lifetime Warranty.



Vinylmax purposefully and proudly label our products “Made in USA”. It means we are committed to sourcing virtually all of our components from American manufacturing companies

