

HIGH PERFORMANCE, LOW MAINTENANCE.

A Natural Fit.



ECOLOGY

- Low Energy Consumption
- Smaller Carbon Footprint
- Durable, Sustainable Materials



ECONOMY

- Lower Energy Bills
- Low Ownership Cost
- Best-of-Class Warranty



COMFORT

- Low Air Infiltration
- High-Tech UV Protection
- Outstanding Sound Reduction





The EcoShield Story

EcoShield Windows are designed to live in harmony with your world.

The high-efficiency design cuts energy costs dramatically. The low-maintenance construction fits well with busy lifestyles. And with a best of class warranty, EcoShield Windows are guaranteed to work beautifully for years. You'll save effort, save money and help save the planet.

It's a natural fit.

Ecology. Economy.

EcoShield Windows offer the best of both worlds. With our ST Glazing Package, they can lower the average home energy bill by 30 to 40 percent, and cut CO₂ output by 1,600 pounds per year*.

How? With a highly durable, high-performance design that meets or exceeds the most ambitious energy standards in America today.

Best of Class Warranty

- Lifetime Vinyl Extrusions
- Lifetime Mechanical Parts
- Lifetime Insulating Glass
- Glass Breakage Coverage

Energy Star

EcoShield Windows exceed the newer, more rigorous Energy Star standards for windows and sliding doors.

NFRC

America's leading window rating agency gives EcoShield their top rating for energy efficiency.

AAMA Durability

Frames and components are built to the stringent specifications of the American Architectural Manufacturers Association.

Federal Tax Credits

With our ST Glazing package, EcoShield Windows meet the efficiency criteria for Federal tax credits under the American Recovery and Reinvestment Act. That could mean hundreds, even thousands of dollars at the end of the year.



* Courtesy Truseal Technologies

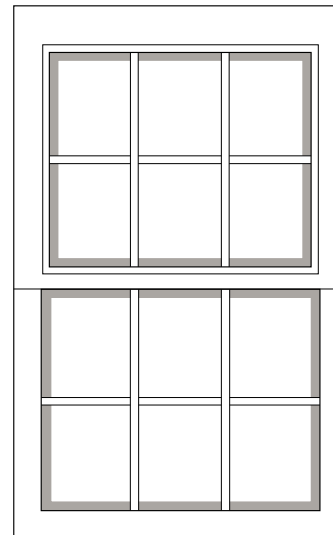


The EcoShield 4000 line unites elegance and performance in a single, highly-efficient system. Engineered for strength and durability, with high-end features typically found only in the most expensive premium lines, the 4000 delivers superior value.

4000 Double Hung

Standard Features

- Thermal Fusion Welded Frame and Sash
- Sleek Slimline Sash Profile
- Quad Weatherstripping at key contact points
- Block and Tackle Balance System
- 3¾" Frame Depth
- Available in Rolling, PW and Hopper
- Full Length Lift Handles
- Locking Half Screen
- Approved Forced Entry Locking System
- Sash Tilt In for Easy Cleaning
- Double Recessed Meeting Rail Locks
- DP 50 Rated
- Interlocking Sloped Sill
- Dual Night Latches



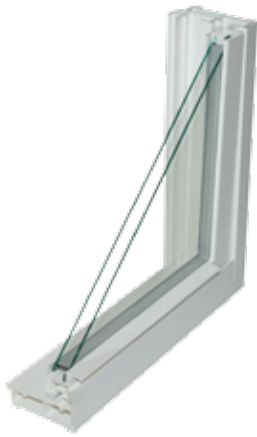
Performance Options

- ST Stimulus Approved Glazing Package
- .19 U-Value Triple Glass Package
- DP 65 Upgrade
- White, Beige and Bronze/White Color
- Cherry, Light and Dark Oak Simulated Woodgrain Interior
- 14 Custom Colors
- Flat, Profile or SDL Grid Package
- Foam Frame Wrap
- Impact Rated

NFRC Thermal Performance Data - 4000

Glazing	U-Value	R-Factor	SHGC	VLT
Clear	.45	2.2	.56	.58
HP Low E	.34	2.9	.26	.49
Supra Low E Argon	.30	.26	.49	.55
ST Stimulus	.29	3.4	.26	.49
Triple Glass Package	.19	5.2	.27	.38





The EcoShield 2000 is our most popular window. The slimline frame and sash design allow for maximum viewing area, while our ST glazing package meets the latest, most rigorous Energy Star standards. It's one of the most functional, most efficient windows on the planet.

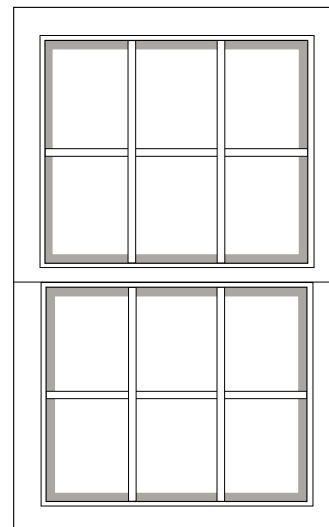
Standard Features

- Fusion Welded Sash and Frame
- Fully Weather Stripped Interlock at Meeting Rail
- Block and Tackle Balance System
- Beautifully Beveled Master Frame
- Fiberglass Half Screen
- Sloped Sill with Interlocking Leg
- DP 35 Rated
- Both Sash Tilt in for Easy Cleaning
- 3¾" Frame Depth
- Aluminum Reinforced Meeting Rail
- Available in Rolling, PW and Hopper

Performance Options

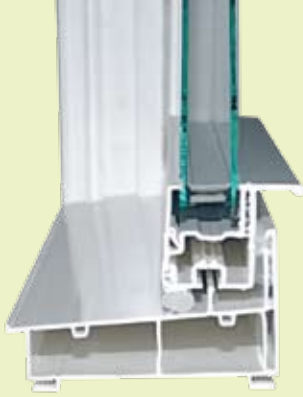
- ST Stimulus Approved Glazing Package
- Flat, Profile or SDL Grid Package
- Frame Foam Wrap
- Locking Screen
- Full Screen
- White or Beige Color

2000 Double Hung



NFRC Thermal Performance Data - 2000

Glazing	U-Value	SHGC	VLT
Clear	.48	.63	.65
HP Low E	.34	.29	.55
Supra Low E/Argon	.31	.42	.56
ST Stimulus	.29	.29	.55



Advanced engineering and materials make the EcoShield 2800 one of the best values on the market today. Built with rugged 100% 1st generation PVC, the top sash is fixed, for added protection against air infiltration, and a high thermal rating.

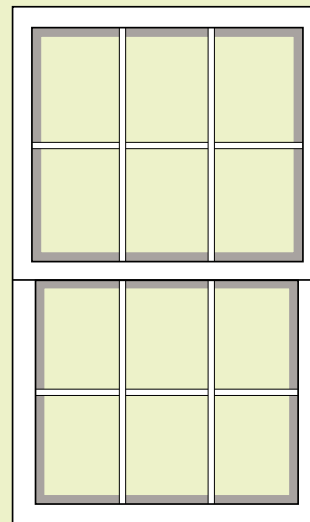
Standard Features

- Welded Sash and Frame
- Block and Tackle Balance System
- Fully Weather Stripped Interlock
- Bottom Sash Tilts in for Easy Cleaning
- Fiberglass Half Screen
- Sloped Sill with Interlocking Leg
- DP 35 Rated
- 3" Frame Depth
- Aluminum Reinforced Meeting Rail
- Available in Rolling, PW, and Hopper

Performance Options

- ST Stimulus Approved Glazing Package
- DP 50 Commercial Upgrade
- White, Beige and Bronze/White Color
- Flat or Profile Grid Package
- Foam Frame Wrap

2800 Single Hung



NFRC Thermal Performance Data – 2800			
Glazing	U-Value	SHGC	VLT
Clear	.49	.63	.65
HP Low E	.35	.29	.55
Supra Low E/Argon	.32	.29	.55
ST Stimulus	.30	.29	.55



The EcoShield 7000 is engineered for easy operation and maximum ventilation, and styled to fit almost any décor. Multi-point locking provides added security, and all are available in single and multi-unit combinations.

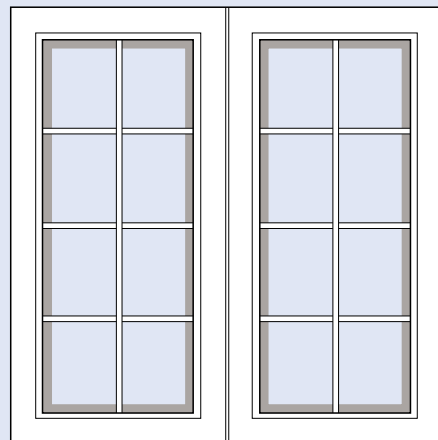
Standard Features

- Fusion Welded Frame and Sash
- Multi-Point Locking System
- 3¼" Frame Depth
- Double Weather-stripping around Perimeter
- Sash Crank Out 90 Degrees
- Fiberglass Full Screen
- Sturdy Truth E-Guard Hardware Package
- DP 50 Rated
- Available in Awning and PW Styles
- Common Jamb

Performance Options

- ST Stimulus Approved Glazing Package
- Egress Hardware
- White, Beige and Bronze/White Colors
- Cherry, Light and Dark Oak Simulated Woodgrain Interior
- 14 Custom Colors
- Flat, Profile or SDL Grid Package
- Multi Unit Mullion Package
- Frame Foam Wrap

7000 Casement/Awning



NFRC Thermal Performance Data - 7000

Glazing	U-Value	SHGC	VLT
Clear	.42	.52	.54
HP Low E	.31	.25	.46
Supra Low E/Argon	.28	.24	.46
ST Stimulus	.21	.25	.35
Triple Glass Package	.21	.25	.35



The EcoShield Bay/Bow series provides high-end elegance in a high-efficiency system. With its hand crafted insulated seat board and optional ST Glazing, this series delivers outstanding thermal performance in a particularly vulnerable area of the home.

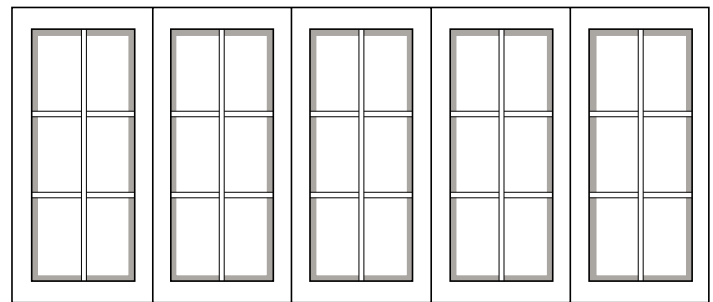
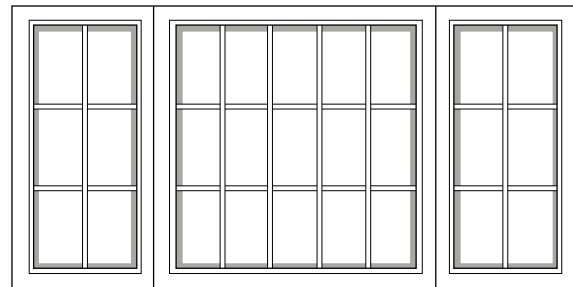
Standard Features

- All Welded Construction
- 30 and 45 Degree Bay Window Style
- 15 Degree Bow Window Style
- 1" Insulated Seat Board
- Red Oak or Birch Veneer Head and Seat Board
- Screens on Operating Vents
- 4 9/16" Jamb Depth
- Hanging Cable System
- Bay Available in DH or Casement Styles
- Available in 2000, 4000 and 7000 Series

Performance Options

- ST Stimulus Glazing Package
- Flat, Profile or SDL Grid Package
- White, Beige, Bronze/White Colors
- Cherry, Light and Dark Oak Simulated Woodgrain Interior
- Custom Jamb Depths

Bay/Bow





The EcoShield 3200 is one of the industry's smoothest, best performing patio doors, at any price. It's reinforced at key points with heavy-duty aluminum, for maximum rigidity, and with the ST Glazing package meets or exceeds the latest Energy Star guidelines.

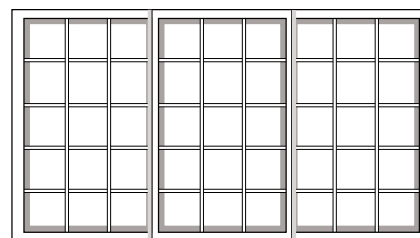
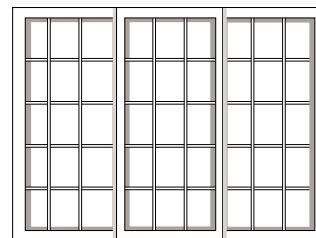
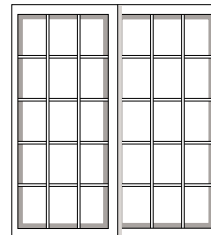
Standard Features

- Sill Design Engineered for Excellent Drainage
- Integral Nail Fin and Screen Track
- Aluminum Screen Frame with Fiberglass Mesh Screening
- One Rolling and One Stationary Panel
- Interlocking Meeting Rail
- Adjustable Nylon Rollers
- Dual Point Locking Hardware

Performance Options

- ST Stimulus Glazing Package
- 5, 6, 8 Foot 2-Lite Styles
- 9, 12 Foot 3-Lite Styles
- Multi Point Locking Hardware
- Brass Finish Hardware
- Field Applied Extension Jamb
- Flat or Profile Grid Package
- White, Beige and Bronze/White Color

3200 Patio Door





EcoShield Rolling Windows are built on precision-calibrated rollers, for long life and smooth fingertip operation. They're ideal for porches, family rooms and multi-family dwellings. Both sash are easily removed for easy cleaning and our ST Glazing Package meets or exceeds Energy Star guidelines. There is a Rolling Window style for the 2000, 4000 and 2800 Series.

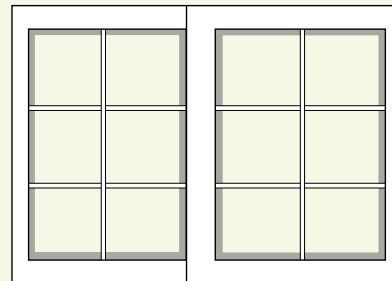
Standard Features

- Precision Calibrated Rollers
- Interlock at Meeting Rail
- Sash can be Removed for easy cleaning
- Fiberglass Half Screen
- Double Locks Over 28"

Performance Options

- Fiberglass Full Screen
- ST Stimulus Approved Glazing Package
- Flat, Profile or SDL Grid Package
- White, Beige and Bronze/White Color
- Frame Foam Wrap

Rolling Window



Accessory Windows

Hopper Window

The EcoShield Hopper window is an ideal application to replace those old basement windows. The sash tilts in from top to bottom and is made in custom sizes to fit virtually any opening.

Picture Window

The EcoShield Picture Window is an excellent complement to many different casement and double hung applications. There is a Picture Window style to match 2000, 4000, 7000 and 2800 Series Windows.



EcoShield Specialty Shapes allow for an unlimited range of architectural expressions without compromising energy efficiency. For building or remodeling, they open a new world of possibilities.

Standard Features

- Thermal Welded Forming Process
- Structural Welded Frame
- Super Heavy Wall for Strength and Rigidity

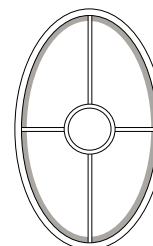
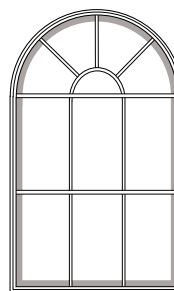
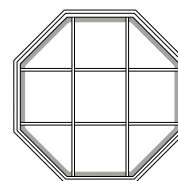
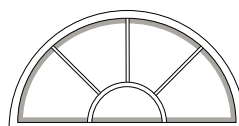
Performance Options

- ST Stimulus Approved Glazing Package
- Interior Trim Packages
- Exterior PVC Trim Packages
- Extension Jambs

Specialty Shape Options

- Circle Top
- Eyebrow
- Gothic/Half-Gothic
- Oval/Half-Oval
- Full Circle
- Ellipse
- Quarter Arch
- Transom
- Operating Octagon
- Custom Shapes

Specialty Shapes



Energy Saving Solutions

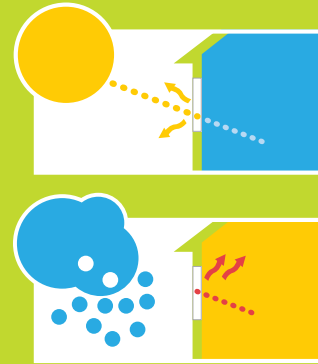
Energy Solutions

In terms of thermal efficiency, no window in the world outperforms EcoShield. Reliable, independent certification agencies have verified our technical superiority.

Not surprisingly, most of our products qualify for Federal tax credits under the American Recovery and Reinvestment Act. This credit can be applied in the current tax year and can mean hundreds, even thousands of dollars in rebates.

Glazing Packages

The key to thermal efficiency is the glazing system, which comprises the glass and spacer technologies. EcoShield has partnered with industry leaders Guardian Industries and TruSeal Technologies to offer a glazing system that meets or exceeds all Energy Star Standards.



EcoShield Windows provide a thermal barrier that allows sunlight in, but blocks external heat in the summer and retains internal heat in the winter.

NFRC Thermal Ratings Defined

Visible Light Transmission (VLT): The measurement of how much light comes through a product. The lower the VLT, the better a product is at blocking Ultraviolet Rays.

Condensation Resistance Factor (CRF): The measurement of how well a product resists the formation of condensation. The higher the CRF number, the better a product is able to resist condensation.

U-Value: The measurement of the rate of heat loss through a material. The lower the U-Value the better, or the less heat that is needlessly escaping.

Solar Heat Gain Coefficient (SHGC): The measurement of how well a product blocks heat from the sun. The lower the SHGC, the better a product is at blocking unwanted heat gain.

Grid Options



Flat



Profile



SDL



A Natural Fit

- Limited Lifetime Warranty
- Over Six Decades of Manufacturing Experience
- Electronic Ordering System
- Field Service Team
- Architectural Support
- Marketing Services
- Extensive Delivery Fleet
- Energy Star Labeled
- NFRC Certified
- AAMA Certified Extrusions

A Cleaner, Greener World

EcoShield can reduce your energy consumption by 30-40 percent, and reduce your home's CO₂ output by a remarkable 1,600 pounds per year*. No window on Earth is better for the planet.

Designed for Living

EcoShield Windows come in a wide range of styles to complement almost any architecture. They're low-maintenance, high-performance, easy to clean, and a natural fit with any living room or lifestyle.

Built for Life

All EcoShield windows are backed by the strongest warranty in the industry. They're built with the high-grade hardware and high-impact components that make them highly unlikely to show up in a landfill.

EcoShield Window Systems

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A Quality Product of Kasson Keller Incorporated



* Courtesy Truseal Technologies