

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





### Energy Star

All Ecoshield Windows exceed Energy Star standards for windows and sliding doors.

### NFRC

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

### AAMA Durability

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

## The Ecoshield Windows 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 money and help save the planet. It's a natural fit.

### Ecology. Economy.

Ecoshield Windows offer the best of both worlds. With our Energy Star U-4 and Energy Star III Glazing Packages, they can lower the average home energy bill by 30 to 40 percent, and cut CO<sub>2</sub> output by 1,600 pounds per year\*.

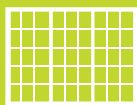
How? With a highly durable, high-performance design that exceeds the most rigorous energy standards in America today.

### Best of Class Warranty

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



Casement



Patio Door



Half Round



Bay / Bow



Double Hung



Rolling



Specialty Shape



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

### Standard Features

- Thermal Fusion Welded Frame and Sash
- Sleek Slimline Sash Profile
- Quad Weather Stripping at Key Contact Points
- 3¼" Frame Depth
- Also available in Rolling and Picture Window
- 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

- DOE R5 and U-4 Energy Rated Glazing Packages
- Profile or SDL Grid Package
- Foam Frame Wrap
- Impact Rated
- Multiple Colors Available

## 4000 Double Hung



NFRC Thermal Performance Data – 4000

Glazing	U-Value	SHGC	VLT
DOE-R5	.20	.20	.36
Energy Star U-4	.24	.25	.44
Low E/Argon	.28	.26	.48
HP Low E	.31	.26	.48
Clear	.44	.57	.59





High-grade PVC delivers exceptional strength and thermal performance



Our most popular replacement window, the 2200 Series Double Hung combines high thermal efficiency with high-end features and an exceptionally solid design.

## 2200 Double Hung

### Standard Features

- Fusion Welded Sash and Frame
- Fully Weather-Stripped Interlock at Meeting Rail
- Fiberglass Half Screen
- Sloped Sill with Interlocking Leg
- DP 40 Rating
- Both Sash Tilt in for Easy Cleaning
- Reinforced Meeting Rail
- Also available in Rolling and Picture Window and Specialty Shapes
- 3¼" Frame Depth

### Performance Options

- Energy Star U-4 & Energy Star III Glazing Packages
- Profile or SDL Grid Package
- Full Screen
- Foam-wrapped frames
- DP 50 Upgrade
- Multiple Colors Available







The unique design of the 2200 DH allows for maximum viewing area and light through a highly rigid slimline frame. Standard ventilation latches and tilt-in sashes make it ideal for both single and multi-unit developments, and the Energy Star U-4 and Energy Star III Glazing Packages exceeds the highest current Energy Star standards.



Standard ventilation latches provide added safety and security



Quick-release tilt-in sashes allow for easy cleaning



Optional foam-wrapped frames provide an added level of insulation

#### NFRC Thermal Performance Data – 2200

Glazing	U-Value	SHGC	VLT
Energy Star U-4	.24	.27	.48
Energy Star III	.28	.37	.51
Low E/Argon	.28	.28	.51
HP Low E	.32	.28	.51
Clear	.46	.62	.63



Advanced engineering and materials make the Ecoshield Windows 2800 one of the best values on the market today. Built with rugged 100% first-generation PVC, the top sash is fixed, for added protection against air infiltration and outstanding thermal performance.

## 2800 Single Hung

### Standard Features

- Welded Sash and Frame
- 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
- Available in Rolling, PW, and Hopper

### Performance Options

- Energy Star U-4 Glazing Package
- DP 50 Commercial Upgrade
- Multiple Colors Available
- Profile Grid Package
- Foam Frame Wrap



NFRC Thermal Performance Data – 2800

Glazing	U-Value	SHGC	VLT
Energy Star U-4	.25	.28	.49
Low E/Argon	.29	.29	.53
HP Low E	.33	.29	.53
Clear	.47	.63	.65



Ecoshield Windows 7000 Casement windows are engineered for easy operation and maximum ventilation. Multi-point locking provides added safety and security, and all models are available in single and multi-unit combinations.

### Standard Features

- Fusion Welded Frame and Sash
- Multi-Point Locking System
- Double Weather Stripping Around Perimeter
- Fiberglass Full Screen
- DP 50 Rated
- Also available in Awning and Picture Window
- Common Jamb - Multiple Units

### Performance Options

- Energy Star U-4 & Energy Star III Glazing Packages
- Egress Hardware
- Multiple Colors Available
- Profile or SDL Grid Package
- Multi-Unit Factory Mullion Package
- Frame Foam Wrap

## 7000 Casement/Awning



### NFRC Thermal Performance Data – 7000

Glazing	U-Value	SHGC	VLT
DOE-R5	.20	.19	.33
Energy Star U-4	.23	.23	.41
Energy Star III	.26	.32	.44
Low E/Argon	.26	.24	.44
HP Low E	.29	.24	.44
Clear	.41	.53	.54





The Ecoshield Windows Bay/Bow series provides high-end elegance in a high-efficiency system. With its heavily insulated seat board and Energy Star Rated Glazings packages, Ecoshield Windows Bays and Bows offer outstanding performance in a part of the home that is particularly vulnerable to thermal leaks.

#### Standard Features

- All Welded Construction
- 30 and 45 Degree Bay Window Style
- 15 Degree Bow Window Style
- 1½" Insulated Seat Board
- Red Oak or Birch Veneer Head and Seat Board
- Screens on Operating Vents
- 4 9/16" or 6 9/16" Jamb Depth
- Hanging Cable System
- Flexible Closure Fin
- Bay Available in DH or Casement Styles

#### Performance Options

- Energy Star Rated Glazing Packages
- Profile or SDL Grid Package
- Multiple Colors Available
- Custom Jamb Depths

## Bay Window



## Bow Window







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Ecoshield Windows 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. Sash is easily removed for cleaning. Available in the 2200, 4000, and 2800 Series.

### Standard Options

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- Precision Calibrated Rollers
- Interlock at Meeting Rail
- Removable Sash for Easy Cleaning
- Fiberglass Half Screen
- Double Locks Over 28"

### Performance Options

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- Energy Star Rated Glazing Packages
- Fiberglass Full Screen
- Profile, or SDL Grid Package
- Multiple Colors Available
- 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 any opening.

### Picture Window

The Ecoshield Window is an excellent complement to many different casement and double hung applications. There is a Picture Window style to match 2200, 4000, 7000 and 2800 Series Windows.



Ecoshield Window 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

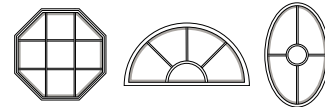
#### Performance Options

- Energy Star U-4 & Energy Star III Glazing Packages
- 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





The Ecoshield 3200 is one of the industry's smoothest, and best built performing patio door at a competitive price. It's reinforced at key points with heavy-duty aluminum, for a lifetime of trouble-free operation.

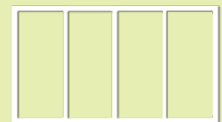
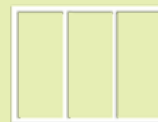
#### Standard Features

- Sill 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 Steel Rollers
- Dual Point Locking Hardware

#### Performance Options

- Energy Star Rated Package Available
- 5, 6, 8 Foot 2-Lite Styles
- 9, 12 Foot 3-Lite Styles
- 12 Foot 4-Lite Styles
- Field-Applied, Pre-Cut J-Channel
- Field-Applied, Pre-Cut Extension Jamb
- 4 1/16" or 6 1/16" Pre-Primed or Clear Extension Jamb
- Profile Grid Package
- Multiple Colors Available

## 3200 Patio Door







## Designed for Living. Built for Life.

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.

### Limited Lifetime Warranty

All Ecoshield Windows are backed by the strongest warranty in the industry and more than 70 years of manufacturing experience.

### Glazing Packages

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

### Standard Color Options



Black



Autumn Red



Fieldstone



Hunter Green



Bronze

\*All representations of colors are mechanically reproduced and may vary from the actual product. Terms and conditions apply.

## Ecoshield Window Systems

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Fonda, NY 12068  
518.853.3421  
ecoshieldwindows.com

A Quality Product of Kasson Keller Inc.



### NFRC Thermal Ratings Defined

Ecoshield Windows thermal performance has been tested and verified by the world's leading certification agencies. Their test results are defined in the following terms.

**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.

**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.

### Non-Standard Color Options



Terracotta



Light Gray



Colonial Blue



Base Blue



Forest Green



Base Yellow



Sandalwood



Chocolate

Have a color in mind? We can custom match it!