

BUILT NORTH IN THE EAST FOR THE NORTHEAST

*Backed by 4 generations of our family
serving you since 1946.*



ECOLGY

- 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 all Energy Star standards for windows and sliding doors.



AAMA Durability

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



NFRC

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



The Ecoshield Windows Story

Ka-Kel 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, Kas-Kel Windows are guaranteed to work beautifully for years.

Ecology. Economy.

Kas-Kel Windows offer the best of both worlds, with a durable, high-performance design that meets or exceeds all Energy Star standards.

Ultra-High Performance

Our optional Energy Star U-4 and Energy Star III Glazing Packages meets or exceeds all current Energy Star standards. It can lower the average home energy bill by 30 to 40 percent and cut CO2 output by 1,600 pounds per year.*

Fabricated for today's generation.

Kas-Kel Windows offer a wide array of styles and casings to accommodate almost any design. Exceptional fit and finish, along with outstanding thermal performance have made them a popular choice among quality builders and homeowners, and they're backed by the best warranty in the industry.

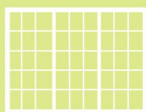
Our Windows are made in the Northeast for the Northeast backed by 4 generations of our family – serving you since 1946.

MADE IN AMERICA

* Courtesy Truseal Technologies



Casement



Patio Door



Half Round



Bay/Bow



Double Hung



Rolling



Specialty Shape

What's between the Glass Makes all the Difference

ECOSHIELD WINDOWS ARE BUILT WITH ADVANCED
TECHNOLOGY DURALITE WARM-EDGE SPACERS



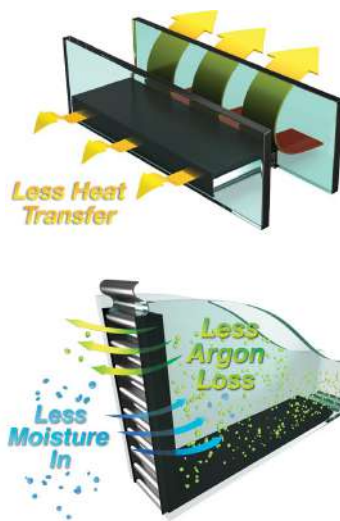
Windows built with Duralite technology reduce heat transfer and help stabilize the temperature of the inner windowpane, maintaining a comfortable inside environment, condensation-free glass, and saving you money on energy costs.



DURALITE® SPACER DESIGN

Duralite is a flexible, warm-edge spacer that lives between the inner and outer window panes. The Duralite technology features a unique no metal composite laminating system that provides superior durability and thermal performance for glass insulation in all weather.

An Ecoshield vinyl window with Duralite spacers contains an argon gas-filled polycarbonate shim with a virtually impermeable butyl sealant, a three-sided continuous moisture barrier, and a desiccated topcoat. This advanced design eliminates condensation and mold and allows natural light to filter in with UV blocking technology that protects interior finishes and decor.



SUPERIOR THERMAL PERFORMANCE

The thermal performance of a window plays a major role in household energy conservation. A high-performance window system will keep your energy costs low by reducing heat loss in the winter and heat gain in the summer. Duralite combined with Low-E glass and argon produces one of the highest performing, energy-efficient window systems, saving you money on your heating and cooling costs. Duralite is an ENERGY STAR® qualified product.

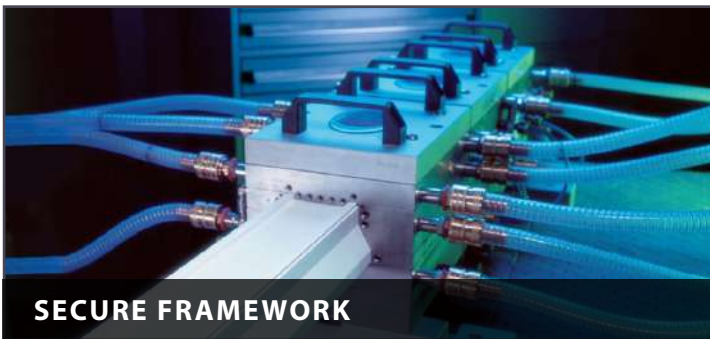
ECOSHIELD VINYL



- Impact-resistant, scratch and dent-proof construction
- Resists pollution, acid rain, salt air, heat, humidity, temperature extremes, and weathering
- Lifetime guarantee and maintenance-free with easy cleaning functionality



- Patented DOE R5 glazing system provides superior insulation from weather and noise
- Unique multi-chamber construction eliminates the need for storm windows
- Meets Energy Star requirements, saving up to 40% in annual energy costs



- Heavy-duty double-walled frames provide ultimate structural strength
- Interlocking sash rails prevent tampering
- Dual-arm operators and multi-point locking systems for added security



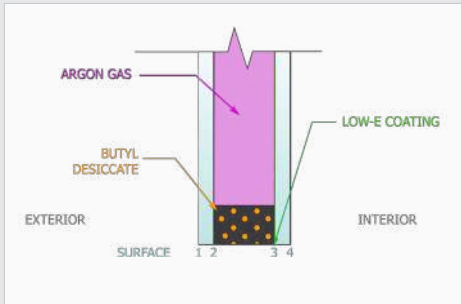
- Clean architectural lines have a traditional window look
- Peel-free color integrated into vinyl construction
- Elevated curb appeal designed to last

OUR CUSTOM MANUFACTURING FORMULA COMBINES SUPERIOR PVC COMPOUNDS WITH INNOVATIVE ENERGY EFFICIENT TECHNOLOGIES TO PRODUCE A VINYL WINDOW THAT SURPASSES LEADING COMPETITORS IN QUALITY, COST-SAVINGS, AND VISUAL APPEAL.

Not All Glass is Created Equal

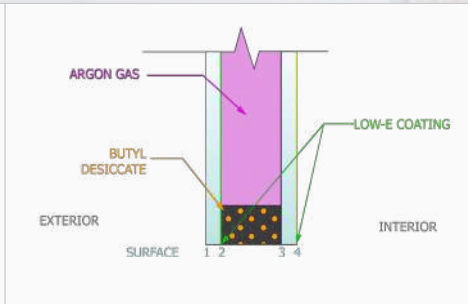
Windows in the Northeast can take a beating - Get the Right Glass!!!

Cold and Mixed Climates Like the Northeast Demand Performance from their Windows!



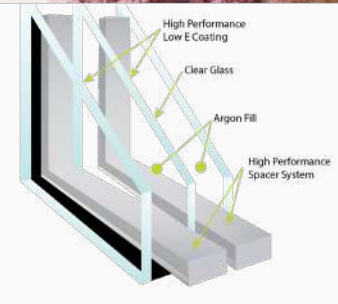
Energy Star III

- Higher level of solar heat control for the Northern Region
- High visible light transmission of 68% for plenty of natural daylighting and visibility into interior spaces
- Lower level of indoor and exterior reflectance
- The Low-e coating on this surface keeps weather OUT of your home. *Frigid winter air and summer heat stay outside where they belong!*



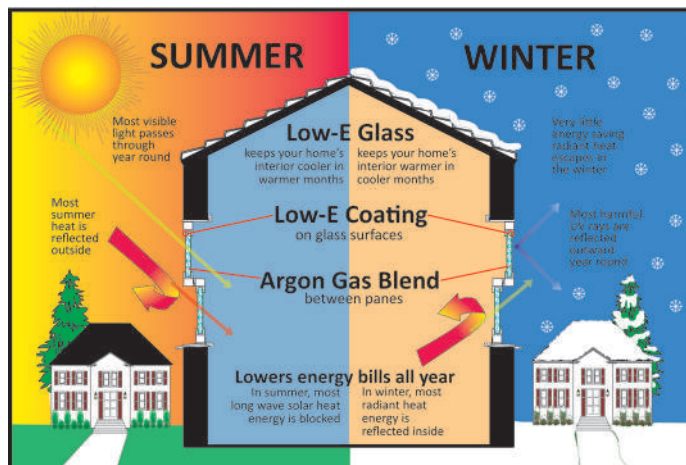
Energy Star U4

- Provides thermal insulation with passive solar gain resulting in year round cost savings
- High-level visible light transmission of 77% (VLT) for plenty of natural daylighting.
- Low-level indoor reflectivity
- Low - e coatings on both glass surfaced keeps weather outside and your controlled environment in!



DOE - R5

- REDUCE THE AVERAGE HEAT LOSS THROUGH WINDOWS BY AS MUCH AS 40 PERCENT!
- *Based on exterior replacement utilizing 16 windows. Savings are average and may vary according to home type and location.*



CLEAR INSULATED GLASS

2 Pieces of insulated glass with air between them increases your energy efficiency from the standard One solid piece of glass.

Best for garages, sheds and other low cost applications

DOE-R5 CERTIFIED WINDOWS

A Superior Window for the Cost

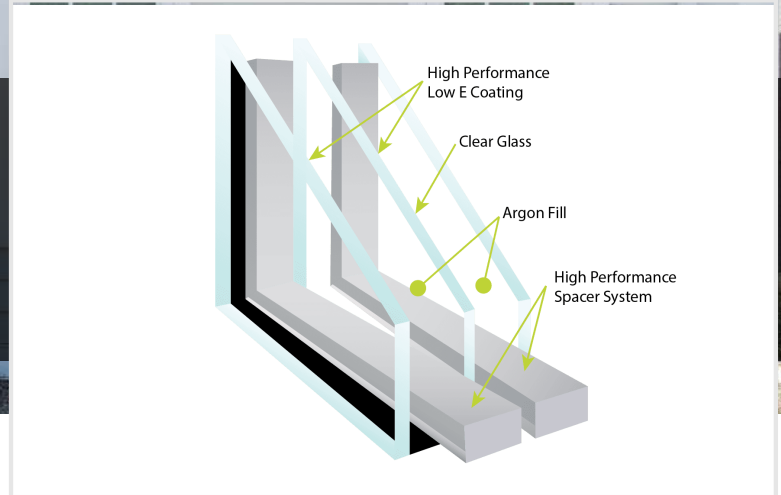
REDUCE THE AVERAGE HEAT LOSS THROUGH WINDOWS BY AS MUCH AS 40 PERCENT!

The DOE R-5 Windows Volume Purchase Program is about more than just saving money

Cold and mixed climates like the Northeast demand performance from their windows! R5 Windows are the top tier of energy efficient windows and are highly insulating!

The US Department of Energy's Building Technologies Program (BTP) is coordinating a volume purchase of R5 windows and low-e storm windows, to expand the market of these high efficiency products.

Price has been the principal barrier to more widespread market commercialization. The aim of this volume purchase initiative is to work with industry and potential buyers to make highly insulated windows more affordable.



NFRC TESTING CHART DEPARTMENT OF ENERGY R5PROGRAM TRIPLE GLAZING PACKAGE

Effective Date: March 1, 2010

700/7000 Awning

		U-FACTOR	SHGC	VT	CR	DBLLOW Ey	GAS
SSB	WITHOUT GRIDS	0.20	0.19	0.35	75	y	DOUBLE ARGON
SSB	WITH GRIDS	0.20	0.18	0.32	75	y	DOUBLE ARGON
DSB	WITHOUT GRIDS	0.21	0.19	0.35	74	y	DOUBLE ARGON
DSB	WITH GRIDS	0.22	0.18	0.32	74	y	DOUBLE ARGON

700/7000 Casement

		U-FACTOR	SHGC	VT	CR	DBLLOW Ey	GAS
SSB	WITHOUT GRIDS	0.20	0.19	0.35	74	y	DOUBLE ARGON
SSB	WITH GRIDS	0.21	0.18	0.32	74	y	DOUBLE ARGON
DSB	WITHOUT GRIDS	0.22	0.19	0.35	74	y	DOUBLE ARGON
DSB	WITH GRIDS	0.22	0.18	0.32	74	y	DOUBLE ARGON

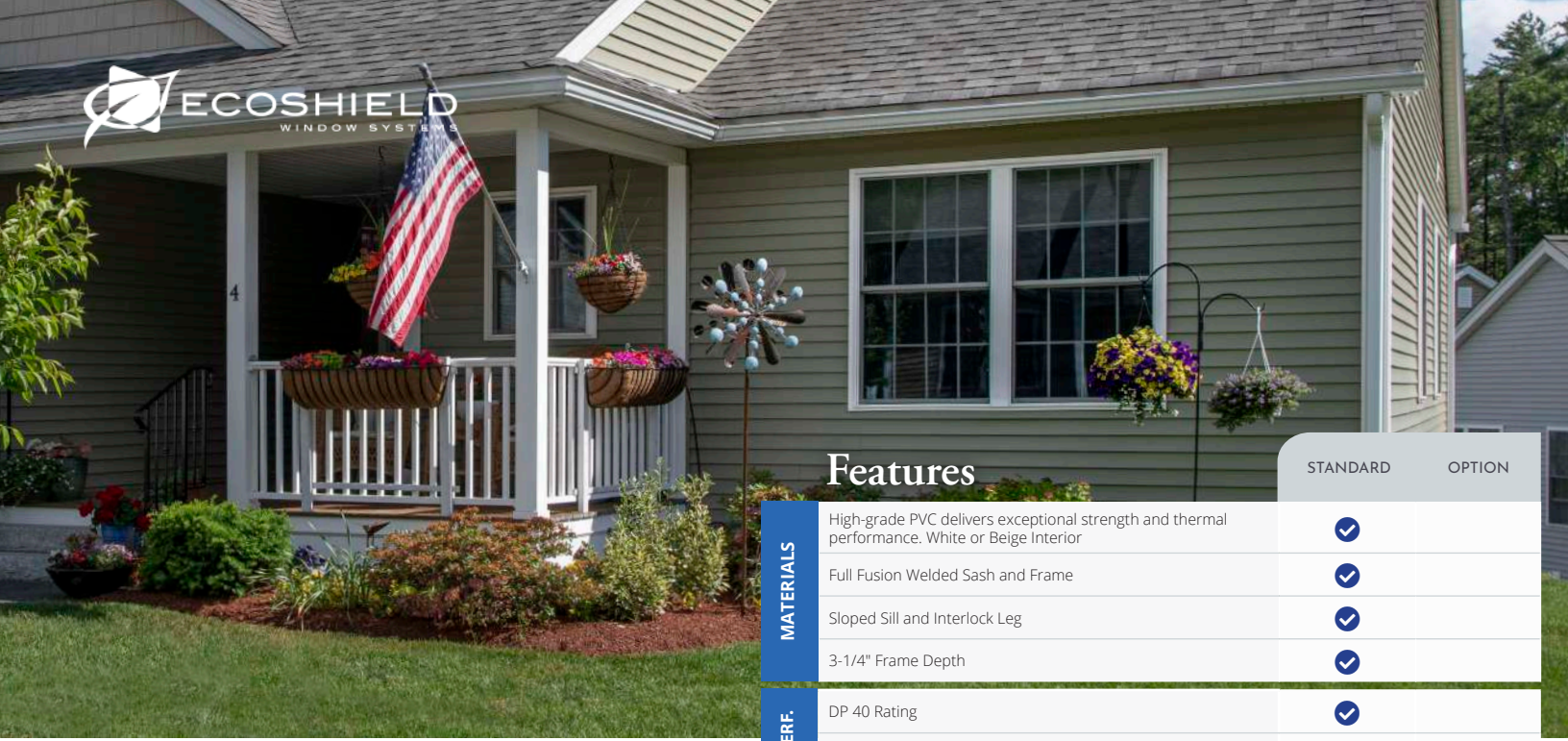
THE R FACTOR

indicates a windows resistance to Heat Flow (The higher the number the more effective the insulating factor).

THE U VALUE

measures the rate of heat transfer (The lower the U factor, the better a window insulates.)

KASSON AND KELLER, INC IS PROUD TO BE SELECTED AS A PARTICIPANT IN THE BTP VPP. WE PROVIDE A WIDE ARRAY OF PRODUCTS ACCEPTED UNDER THE DOE – R5 CRITERIA FOR WINDOWS.



The standard window with all the superior features.

The 220 new construction series double hung comes standard with features superior over the ordinary new construction window- including thermal performance that will exceed Energy Star, choice of top and bottom sash ventilation , easy clean feature , peace of mind locking system. Fabricated for today's generation.

GLAZING	U-VALUE	SHGC	VLT	CR	ZONE
Energy Star U4	0.25	0.27	0.48	47	N,NNC
Energy Star III	0.29	0.37	0.51	59	NC
Low E w/ Argon	0.28	0.28	0.51	63	NC
High Perf. Low E	0.32	0.28	0.51	58	
Clear	0	0	0	-	

*contact us to see thermal data with grids.

KAS-KEL NEW CONSTRUCTION WINDOWS WILL OFFER YOU A LIFETIME OF WORRY-FREE OPERATION, BACKED BY ONE OF THE BEST WARRANTIES IN THE INDUSTRY.



Features

	STANDARD	OPTION
MATERIALS	High-grade PVC delivers exceptional strength and thermal performance. White or Beige Interior	<input checked="" type="checkbox"/>
	Full Fusion Welded Sash and Frame	<input checked="" type="checkbox"/>
	Sloped Sill and Interlock Leg	<input checked="" type="checkbox"/>
	3-1/4" Frame Depth	<input checked="" type="checkbox"/>
PERF.	DP 40 Rating	<input checked="" type="checkbox"/>
	DP 50 Rating	<input type="checkbox"/>
GLAZING	Energy Star III (recommended)	<input type="checkbox"/>
	Energy Star U-4	<input checked="" type="checkbox"/>
	Clear insulated glass	<input checked="" type="checkbox"/>
	Duralite flexible, warm-edge spacers	<input checked="" type="checkbox"/>
	Tints, Heat Reflection and other options available	<input type="checkbox"/>
SCREENS	Extruded aluminum framed fiberglass full screen	<input checked="" type="checkbox"/>
	Extruded aluminum framed locking 1/2 Screen	<input type="checkbox"/>
	Full Flex Screens on painted exterior frames	<input checked="" type="checkbox"/>
	Aluminum Screening Material	<input checked="" type="checkbox"/>
CONSTRUCTION	Composite Reinforced Meeting Rail	<input checked="" type="checkbox"/>
	Bottom and Top Sash Tilt in for easy cleaning	<input checked="" type="checkbox"/>
	Double weather stripped Meeting Rail	<input checked="" type="checkbox"/>
	Nailing fin with J Channel	<input checked="" type="checkbox"/>
	Nail Fin Only	<input type="checkbox"/>
	Egress Sizing Available	<input checked="" type="checkbox"/>
	Primed Solid Pine Applied Extension Jamb 4-9/16", 6-9/16" and Custom	<input checked="" type="checkbox"/>
Sheet Rock Returns	<input checked="" type="checkbox"/>	
HARDWARE	All windows over 23 1/2 inches have 2 sash locks for maximum protection	<input checked="" type="checkbox"/>
	Produced in white or beige to seamlessly match your window frame	<input checked="" type="checkbox"/>
	Night Latches	<input checked="" type="checkbox"/>
	WOCD sash limiters	<input type="checkbox"/>
GRILLS	5/8" Contoured Grill Between the Glass	<input checked="" type="checkbox"/>
	3/4" Contoured SDL with spacer bar	<input checked="" type="checkbox"/>



220 Rolling Window

Precision-calibrated rollers for long life and smooth fingertip operation

220 Rolling

The 220 Kas-Kel Rolling Windows are built on precision-calibrated rollers for smooth fingertip operation and manufactured to last for years. Maximize natural light filtration indoors with a beautifully designed rolling window.

NFRC Thermal Performance Data*

GLAZING	U-VALUE	SHGC	VLT	CR	ZONE
Energy Star U4	0.23	0.26	0.46	51	N,NC
Energy Star III	0.28	0.36	0.51	59	NC
Low E w/ Argon	0.27	0.28	0.51	63	N,NC
High Perf. Low E	0.31	0.28	0.51	59	
Clear	0	0	0	-	

*contact us to see thermal data with grids.

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Features

	STANDARD	OPTION	
MATERIALS	High-grade PVC	<input checked="" type="checkbox"/>	
	Fusion Welded Sash and Frame	<input checked="" type="checkbox"/>	
	Sloped Sill and Interlock Leg	<input checked="" type="checkbox"/>	
	Sash is easily removed for cleaning.	<input checked="" type="checkbox"/>	
	Aluminum Reinforced Meeting Rail	<input checked="" type="checkbox"/>	
PERF.	DP 35 Rating	<input checked="" type="checkbox"/>	
	DP 40 Rating		<input checked="" type="checkbox"/>
	DP 50 Rating		<input checked="" type="checkbox"/>
GLAZING	Energy Star III	<input checked="" type="checkbox"/>	
	Energy Star U-4		<input checked="" type="checkbox"/>
	Clear insulated glass (3/4")		<input checked="" type="checkbox"/>
	Duralite flexible, warm-edge spacers	<input checked="" type="checkbox"/>	
	Tints, Heat Reflection and other options available		<input checked="" type="checkbox"/>
SCREENS	Aluminum Extruded Fiberglass 1/2 screen	<input checked="" type="checkbox"/>	
	Aluminum framed fiberglass full screen		<input checked="" type="checkbox"/>
	Full Flex Screens		<input checked="" type="checkbox"/>
	Aluminum Screening Material		<input checked="" type="checkbox"/>
GRILLS	3/4" Contoured Grill Between the Glass		<input checked="" type="checkbox"/>
	3/4" Contoured SDL with spacer bar		<input checked="" type="checkbox"/>



220 Picture

One of the most functional, most efficient vinyl picture windows on the planet

The slim frame and sash design allow for maximum viewing area, while our Energy Star glazing package meets the latest, most rigorous Energy Star standards. It's one of the most functional, most efficient vinyl picture windows on the planet.

NFRC Thermal Performance Data*

GLAZING	U-VALUE	SHGC	VLT
Energy Star U4	0.22	0.28	0.50
Low E w/ Argon	0.25	0.30	0.55
Energy Star III	0.26	0.39	0.55
High Perf. Low E	0.29	0.30	0.55
Clear	0.45	0.65	0.68

*contact us to see thermal data with grids.

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Features

	STANDARD	OPTION	
MATERIALS	High-grade PVC delivers exceptional strength and thermal performance. White or beige Interior	✓	
	Fusion Welded Sash and Frame	✓	
	3 ¼" Frame Depth	✓	
PERF	DP 35 Rating	✓	
GLAZING	Energy Star III	✓	
	Energy Star U-4		✓
	Clear insulated glass (3/4")		✓
	Duralite flexible, warm-edge spacers	✓	
GRILLS	Tints, Tempered and Double Strength and other options available		✓
	3/4" Contoured Grill Between the Glass		✓
CONSTRUCTION	3/4" Contoured SDL with spacer bar		✓
	Integral Nail Fin	✓	
CONSTRUCTION	Integral Nail Fin and J-Channel	✓	
	Available without J-Channel		✓
	4 9/16", 6 9/16", and custom Pre-Primed Extension Jamb		✓





300C Picture

One of the most functional, most efficient vinyl picture windows on the planet

The 300C window utilizes a New England Style 3 1/2" Cambridge Flat Casing which integrates a built-in J-channel pocket for siding and nail-fin for installation. (filler available)

An elegant, classic look and advanced design with high thermal ratings and glazing package options that meet or exceed Energy Star requirements.

NFRC Thermal Performance Data*

GLAZING	U-VALUE	SHGC	VLT
Energy Star U4	0.22	0.28	0.50
Low E w/ Argon	0.25	0.30	0.55
Energy Star III	0.26	0.39	0.55
High Perf. Low E	0.29	0.30	0.55
Clear	0.45	0.65	0.68

*contact us to see thermal data with grids.

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Features

	STANDARD	OPTION
MATERIALS	High-grade PVC delivers exceptional strength and thermal performance. White or beige Interior	✓
	Fusion Welded Sash and Frame	✓
	3 1/4" Frame Depth	✓
PERF	DP 35 Rating	✓
GLAZING	Energy Star III	✓
	Energy Star U-4	✓
	Clear insulated glass (3/4")	✓
	Duralite flexible, warm-edge spacers	✓
GRILLS	Tints, Tempered and Double Strength and other options available	✓
	3/4" Contoured Grill Between the Glass	✓
	3/4" Contoured SDL with spacer bar	✓
CONSTRUCTION	3 1/2" Cambridge Flat Casing	✓
	Integral Nail Fin	✓
	Integral Nail Fin and J-Channel	✓
	Available without J-Channel	✓
	4 9/16", 6 9/16", and custom Pre-Primed Extension Jamb	✓

300C Series | Double Hung Window

High thermal efficiency - exceptionally solid design

The 300C Double Hung window utilizes a **New England Style 3 1/2" Cambridge Flat Casing** which integrates a built-in J-channel pocket for siding and nail-fin for installation. (filler available). An elegant, classic look and advanced design with high thermal ratings and glazing package options that meet or exceed Energy Star requirements.

Factory applied off the edge design ensures maximum weather protection.

GLAZING	U-VALUE	SHGC	VLT	CR	ZONE
Energy Star U4	0.25	0.27	0.48	47	N,NNC
Energy Star III	0.29	0.37	0.51	59	NC
Low E w/ Argon	0.28	0.28	0.51	63	NC
High Perf. Low E	0.32	0.28	0.51	58	
Clear	0	0	0	-	

**contact us to see thermal data with grids.*

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Features

	STANDARD	OPTION
MATERIALS	High-grade PVC delivers exceptional strength and thermal performance. White or Beige Interior	<input checked="" type="checkbox"/>
	Full Fusion Welded Sash and Frame	<input checked="" type="checkbox"/>
	Sloped Sill and Interlock Leg	<input checked="" type="checkbox"/>
	3-1/4" Frame Depth	<input checked="" type="checkbox"/>
PERF.	DP 40 Rating	<input checked="" type="checkbox"/>
	DP 50 Rating	<input checked="" type="checkbox"/>
GLAZING	Energy Star III (recommended)	<input checked="" type="checkbox"/>
	Energy Star U-4	<input checked="" type="checkbox"/>
	Clear insulated glass	<input checked="" type="checkbox"/>
	Duralite flexible, warm-edge spacers	<input checked="" type="checkbox"/>
	Tints, Heat Reflection and other options available	<input checked="" type="checkbox"/>
SCREENS	Extruded aluminum framed fiberglass full screen	<input checked="" type="checkbox"/>
	Extruded aluminum framed locking 1/2 Screen	<input checked="" type="checkbox"/>
	Full Flex Screens on painted exterior frames	<input checked="" type="checkbox"/>
	Aluminum Screening Material	<input checked="" type="checkbox"/>
CONSTRUCTION	Composite Reinforced Meeting Rail	<input checked="" type="checkbox"/>
	Bottom and Top Sash Tilt in for easy cleaning	<input checked="" type="checkbox"/>
	Double weather stripped Meeting Rail	<input checked="" type="checkbox"/>
	3 1/2" Cambridge Casing	<input checked="" type="checkbox"/>
	Nailing fin with J Channel	<input checked="" type="checkbox"/>
	Nail Fin Only	<input checked="" type="checkbox"/>
	Egress Sizing Available	<input checked="" type="checkbox"/>
	Primed Solid Pine Applied Extension Jamb 4-9/16", 6-9/16" and Custom	<input checked="" type="checkbox"/>
Sheet Rock Returns	<input checked="" type="checkbox"/>	
HARDWARE	All windows over 23 1/2 inches have 2 sash locks for maximum protection	<input checked="" type="checkbox"/>
	Produced in white or beige to seamlessly match your window frame	<input checked="" type="checkbox"/>
	Night Latches	<input checked="" type="checkbox"/>
GRILLS	WOCD sash limiters	<input checked="" type="checkbox"/>
	5/8" Contoured Grill Between the Glass	<input checked="" type="checkbox"/>
	3/4" Contoured SDL with spacer bar	<input checked="" type="checkbox"/>

300C Rolling Window

New England Style Cambridge Flat Casing

The 300C Rolling window utilizes a New England Style 3 ½" Cambridge Flat Casing which integrates a built-in J-channel pocket for siding and nail-fin for installation. (filler available). An elegant, classic look and advanced design with high thermal ratings and glazing package options that meet or exceed Energy Star requirements.

NFRC Thermal Performance Data*

GLAZING	U-VALUE	SHGC	VLT	CR	ZONE
Energy Star U4	0.23	0.26	0.46	51	N,NC
Energy Star III	0.28	0.36	0.51	59	NC
Low E w/ Argon	0.27	0.28	0.51	63	N,NC
High Perf. Low E	0.31	0.28	0.51	59	
Clear	0	0	0	-	

*contact us to see thermal data with grids.

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Features

	STANDARD	OPTION	
MATERIALS	High-grade PVC	✓	
	Fusion Welded Sash and Frame	✓	
	3 ½" Cambridge Casing	✓	
	Sloped Sill and Interlock Leg	✓	
	Sash is easily removed for cleaning.	✓	
	Aluminum Reinforced Meeting Rail	✓	
PERF.	DP 35 Rating	✓	
	DP 40 Rating		✓
	DP 50 Rating		✓
GLAZING	Energy Star III	✓	
	Energy Star U-4		✓
	Clear insulated glass (3/4")		✓
	Duralite flexible, warm-edge spacers	✓	
	Tints, Heat Reflection and other options available		✓
SCREENS	Aluminum Extruded Fiberglass 1/2 screen	✓	
	Aluminum framed fiberglass full screen		✓
	Full Flex Screens		✓
	Aluminum Screening Material		✓
GRILLS	3/4" Contoured Grill Between the Glass		✓
	3/4" Contoured SDL with spacer bar		✓

300 Double Hung Brickmold Trim Package

Traditional Look

The 300 Double Hung window utilizes an integrated **brickmold trim** package or a 3 1/2" vinyl trim option, both of which also serve as a J-channel pocket for easy installation. An elegant, classic look and advanced design with high thermal ratings and glazing package options that meet or exceed Energy Star requirements.

GLAZING	U-VALUE	SHGC	VLT	CR	ZONE
Energy Star U4	0.23	0.27	0.48	51	N,NC
Energy Star III	0.27	0.37	0.52	51	NC
Low E w/ Argon	0.27	0.28	0.52	63	NC
High Perf. Low E	0.31	0.28	0.52	63	
Clear	0	0	0	-	

*contact us to see thermal data with grids.

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Features

	STANDARD	OPTION
MATERIALS	High-grade PVC delivers exceptional strength and thermal performance. White or beige Interior	✓
	Fusion Welded Sash and Frame	✓
	Sloped Sill with Interlocking Leg	✓
	3-5/8" Frame Depth	✓
PERF	DP 35 Rating	✓
	DP 50 Rating	✓
GLAZING	Energy Star III	✓
	Energy Star U-4 Glass	✓
	Double Strength Glass	✓
	Clear insulated Glass	✓
	Duralite flexible, warm-edge spacers	✓
	Tints, Heat Reflection and other options available	✓
SCREENS	Aluminum framed fiberglass full screen	✓
	Aluminum framed fiberglass half screen	✓
	Full Flex Screen on painted products	✓
	Aluminum Screening Material	✓
HARDWARE	All windows over 23 1/2 inches have 2 sash locks for maximum protection	✓
	Night Latches	✓
	WOCD sash limiters	✓
CONSTRUCTION	Produced in white or beige to seamlessly match your window frame	✓
	Brickmold exterior profile	✓
	Composite Reinforced Meeting Rail	✓
	Nailing fin with J Channel	✓
	Double weather stripped Meeting Rail	✓
	J Channel Filler	✓
	Bottom and Top Sash Tilt in for easy cleaning	✓
	Primed Solid Pine Applied Extension Jambos 4-9/16", 6-9/16" and Custom	✓
GRILLS	3/4" Contoured Grill Between the Glass	✓
	3/4" Contoured SDL with spacer bar	✓



300 Rolling Window Brickmold Trim Package

Creates a traditional exterior finish

Kas-Kel's 300 series new construction rolling windows feature an integrated brickmold trim package, which creates a traditional exterior finish.

The brickmold trim also serves as a J-channel pocket making for a clean finish look and easy installation.

NFRC Thermal Performance Data*

GLAZING	U-VALUE	SHGC	VLT	CR	ZONE
Energy Star U4	0.25	0.27	0.47	47	N,NC
Energy Star III	0.29	0.37	0.52	59	NC
Low E w/ Argon	0.29	0.29	0.52	59	NC
High Perf. Low E	0.33	0.29	0.52	56	
Clear	0	0	0	-	

*contact us to see thermal data with grids.

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Features

	STANDARD	OPTION	
MATERIALS	High-grade PVC delivers exceptional strength and thermal performance. White or beige Interior	<input checked="" type="checkbox"/>	
	Fusion Welded Sash and Frame	<input checked="" type="checkbox"/>	
	Removable Sash for cleaning	<input checked="" type="checkbox"/>	
	Fully Weather Stripped Interlock	<input checked="" type="checkbox"/>	
	Frame Depth 3 5/8"	<input checked="" type="checkbox"/>	
PERF	DP 35 Rating	<input checked="" type="checkbox"/>	
	DP 40 Rating		<input checked="" type="checkbox"/>
GLAZING	Energy Star III	<input checked="" type="checkbox"/>	
	Energy Star U-4		<input checked="" type="checkbox"/>
	Clear insulated glass (3/4")		<input checked="" type="checkbox"/>
	Duralite flexible, warm-edge spacers	<input checked="" type="checkbox"/>	
	Tints, Heat Reflection and other options available		<input checked="" type="checkbox"/>
SCREENS	Aluminum Extruded Fiberglass 1/2 screen	<input checked="" type="checkbox"/>	
	Aluminum framed fiberglass full screen		<input checked="" type="checkbox"/>
	Full Flexscreens on painted exteriors		<input checked="" type="checkbox"/>
	Aluminum Screening Material		<input checked="" type="checkbox"/>
CONSTRUCTION	Composite Reinforced Meeting Rail	<input checked="" type="checkbox"/>	
	Integral Nail Fin	<input checked="" type="checkbox"/>	
	Integral Nail Fin and J-Channel	<input checked="" type="checkbox"/>	
	4 9/16", 6 9/16", and custom Pre-Primed Extension Jamb		<input checked="" type="checkbox"/>
GRILLS	3/4" Contoured Grill Between the Glass		<input checked="" type="checkbox"/>
	3/4" Contoured SDL with spacer bar		<input checked="" type="checkbox"/>
HARDWARE	Ecoshield Rolling Windows are built on precision-calibrated rollers for long life and smooth fingertip operation.	<input checked="" type="checkbox"/>	
	Cam Locks made to stand up to frequent use.	<input checked="" type="checkbox"/>	
	All windows over 28 inches tall have 2 sash locks for maximum protection	<input checked="" type="checkbox"/>	
	Produced in white or beige to seamlessly match your window frame	<input checked="" type="checkbox"/>	





ECOSHIELD
WINDOW SYSTEMS

300 Picture Window *Brickmold Trim Package*

Clean finish look and easy installation

Kas-Kel's 300 series new construction picture windows feature an integrated brickmold trim package, which creates a traditional exterior finish. The brickmold trim also serves as a J-channel pocket making for a clean finish look and easy installation.

NFRC Thermal Performance Data*

GLAZING	U-VALUE	SHGC	VLT	CR	ZONE
Energy Star U4	0.46	0.68	0.45	45	
Energy Star III	0.25	0.40	0.57	65	N
Low E w/ Argon	0.25	0.31	0.57	65	N,NC
High Perf. Low E	0.29	0.31	0.57	60	NC
Clear Clear-Air-Clear	0	0	0	-	

*contact us to see thermal data with grids.

Features

	STANDARD	OPTION	
MATERIALS	High-grade PVC delivers exceptional strength and thermal performance. White or beige Interior	✓	
	Fusion Welded Sash and Frame	✓	
	Frame Depth 3 5/8"	✓	
PERF.	DP 50 Rating	✓	
GLAZING	Energy Star III	✓	
	Energy Star U-4		✓
	Clear insulated glass (3/4")		✓
	Duralite flexible, warm-edge spacers	✓	
	Tints, Heat Reflection and other options available		✓
CONSTRUCTION	Integral Nail Fin	✓	
	Integral Nail Fin and J-Channel	✓	
	4 9/16", 6 9/16", and custom Pre-Primed Extension Jamb		✓
GRILLS	3/4" Contoured Grill Between the Glass		✓
	3/4" Contoured SDL with spacer bar		✓

KAS-KEL NEW CONSTRUCTION WINDOWS WILL OFFER YOU A LIFETIME OF WORRY-FREE OPERATION, BACKED BY ONE OF THE BEST WARRANTIES IN THE INDUSTRY.



700 SERIES | Casement

engineered for easy operation and maximum ventilation

Our Most Versatile Window

By design this window combines the beauty and performance you would expect to find in premium windows. Multiple point locking system with a clean fold away handle speaks volumes about our Casements. Configured with single or multi-unit combination for maximum ventilation. Fabricated for today's generation.

GLAZING	U-VALUE	SHGC	VLT
DOE – R5 – Triple	0.19	0.19	0.33
Energy Star U-4	0.23	0.23	0.41
Energy Star III	0.26	0.32	0.44
Low E Argon	0.26	0.24	0.44
Low E HP	0.29	0.24	0.44
Clear	0.41	0.53	0.54

*contact us to see thermal data with grids.

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Features

	STANDARD	OPTION	
MATERIALS	High-grade PVC delivers exceptional strength and thermal performance. White or Beige Interior	<input checked="" type="checkbox"/>	
	Fusion Welded Sash and Frame	<input checked="" type="checkbox"/>	
	Exterior Beveled Sash	<input checked="" type="checkbox"/>	
	Sash Snubbers	<input checked="" type="checkbox"/>	
	Double weather stripped Sash	<input checked="" type="checkbox"/>	
	Single Lever Multi-Point Locking System	<input checked="" type="checkbox"/>	
PERF.	DP 50 Rating	<input checked="" type="checkbox"/>	
GLAZING	Energy Star III (recommended)		<input checked="" type="checkbox"/>
	Energy Star U-4		<input checked="" type="checkbox"/>
	DOE R5 Triple Glass Package		<input checked="" type="checkbox"/>
	Clear insulated glass		<input checked="" type="checkbox"/>
	Duralite flexible, warm-edge spacers	<input checked="" type="checkbox"/>	
Tints, Heat Reflection, Impact Resistance, Triple Glazing and other options available		<input checked="" type="checkbox"/>	
SCREENS	Aluminum Extruded Full View Fiberglass Full Screen	<input checked="" type="checkbox"/>	
	Aluminum Screening Material		<input checked="" type="checkbox"/>
HARDWARE	Folding Hardware		<input checked="" type="checkbox"/>
	Egress Hardware		<input checked="" type="checkbox"/>
	Sash Limiter Hardware (for Fall Prevention)		<input checked="" type="checkbox"/>
CONSTRUCTION	Nailing fin with J Channel	<input checked="" type="checkbox"/>	
	Brickmold J Channel/ or no J Channel		<input checked="" type="checkbox"/>
	3" Cambridge Casing		<input checked="" type="checkbox"/>
	Primed Applied Solid Pine Extension Jambes 4-9/16, 6-9/16 and Custom		<input checked="" type="checkbox"/>
	1/2" and 3/4" Sheetrock Returns		<input checked="" type="checkbox"/>
GRILLS	3/4" Contoured Grill Between the Glass		<input checked="" type="checkbox"/>
	3/4" Contoured SDL with spacer bar		<input checked="" type="checkbox"/>
	2" Contoured SDL with spacer bar for simulated Double Hung look		<input checked="" type="checkbox"/>

700 Series | Awning window

Easy operation and maximum ventilation

The accent window with all the bells and whistles.

The unique style and lines will catch your eye as will the performance and sizing features it includes. Stacked side by side or over the top of a primary window will work with great ease, giving you the flexibility needed when designing your home. Designed for today's generation.

GLAZING	U-VALUE	SHGC	VLT
DOE – R5 – Triple	0.19	0.19	0.33
Energy Star U-4	0.23	0.23	0.41
Energy Star III	0.26	0.32	0.44
Low E Argon	0.26	0.24	0.44
Low E HP	0.29	0.24	0.44
Clear	0.41	0.53	0.54

*contact us to see thermal data with grids.

Features

	STANDARD	OPTION
MATERIALS	High-grade PVC delivers exceptional strength and thermal performance. White or Beige Interior	<input checked="" type="checkbox"/>
	Fusion Welded Sash and Frame	<input checked="" type="checkbox"/>
	Beveled Exterior Sash	<input checked="" type="checkbox"/>
	Sash Snubbers	<input checked="" type="checkbox"/>
GLAZING	Energy Star III (recommended)	<input checked="" type="checkbox"/>
	Energy Star U-4	<input checked="" type="checkbox"/>
	DOE R5 Triple Glass Package	<input checked="" type="checkbox"/>
	Clear insulated glass	<input checked="" type="checkbox"/>
	Duralite flexible, warm-edge spacers	<input checked="" type="checkbox"/>
	Impact Resistance, Tints, Heat Reflection, and other options available	<input checked="" type="checkbox"/>
PERF.	DP 50 Rating	<input checked="" type="checkbox"/>
HARDWARE	Produced in white or beige to seamlessly match your window frame	<input checked="" type="checkbox"/>
	Single Lever Multi-Point Locking System	<input checked="" type="checkbox"/>
	Folding Hardware	<input checked="" type="checkbox"/>
CONSTRUCTION	Double weather stripped Sash	<input checked="" type="checkbox"/>
	1/2" and 3/4" Sheetrock Returns	<input checked="" type="checkbox"/>
	Nailing fin with J Channel	<input checked="" type="checkbox"/>
	Brickmold J Channel/ or no J Channel	<input checked="" type="checkbox"/>
SCREENS	Primed Solid Pine Applied Extension Jambes 4-9/16", 6-9/16" and Custom	<input checked="" type="checkbox"/>
	Extruded aluminum framed fiberglass full screen	<input checked="" type="checkbox"/>
GRILLS	Aluminum Screening Material	<input checked="" type="checkbox"/>
	3/4" Contoured Grill Between the Glass	<input checked="" type="checkbox"/>
	3/4" Contoured SDL with spacer bar	<input checked="" type="checkbox"/>
	2" Contoured SDL with spacer bar for simulated Double Hung look	<input checked="" type="checkbox"/>

KAS-KEL NEW CONSTRUCTION WINDOWS WILL OFFER YOU A LIFETIME OF WORRY-FREE OPERATION, BACKED BY ONE OF THE BEST WARRANTIES IN THE INDUSTRY.





700 Picture

Slim frame design allows for maximum viewing area

Expansive views and versatile style.

Available in your choice of glass options and grid patterns. The 700 picture window can be configured to work seamlessly with any of our other series of windows and matching trim styles. Fabricated for today's generation

GLAZING	U-VALUE	SHGC	VLT
DOE – R5 – Triple	0.21	0.22	0.38
Low E w/ Argon	0.26	0.28	0.51
High Perf. Low E	0.30	0.29	0.51
Clear	0.45	0.61	0.63

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Features

	STANDARD	OPTION	
MATERIALS	High-grade PVC delivers exceptional strength and thermal performance. White or Beige Interior	✓	
	Thermal Fusion Welded Frame	✓	
	3" Cambridge Flat Casing		✓
	Integral Nail Fin and J-Channel	✓	
CONSTRUCTION	Primed Applied Solid Pine Extension Jambes 4-9/16, 6-9/16 and Custom		✓
	3" Cambridge Flat Casing		✓
	Integral Nail Fin and J-Channel	✓	
PERF.	Primed Solid Pine Applied Extension Jambes 4-9/16", 6-9/16" and Custom		✓
	DP 50 Rating	✓	
GLAZING	Energy Star III	✓	
	Energy Star U-4		✓
	DOE R5 Triple Glass Package (1")		✓
	Clear insulated glass		✓
	Duralite flexible, warm-edge spacers	✓	
GRILLS	Impact Resistance, Tints, Heat Reflection and other options available		✓
	3/4" Contoured Grill Between the Glass		✓
	3/4" Contoured SDL with spacer bar		✓



Profile Options

Simulated Divided Light Grill



- **3/4" Contoured SDL with spacer bar**
- Our simulated divided light grill incorporates a space giving the look of true divided light

Grill Between the Glass



- **3/4" Contoured Grill Between the Glass**
- Our grill between the glass incorporates a deluxe shadow bar giving the look and feel of divided panes.



Fabricated for today's generation.

- Limited Lifetime Warranty
- Over Seven 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 Windows can reduce home energy use by 30 to 40 percent, and reduce CO2 output by 1,600 pounds per year. * No window on Earth is better for the planet.*



Designed for Living

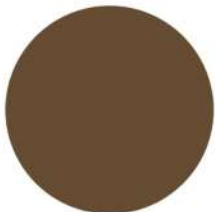
Ecoshield Windows come in a wide range of styles to complement almost any architecture. They're low maintenance, high-performance, easy to clean, and a natural fit with any living room or lifestyle.



Built for Life

High-grade hardware and high-impact components have earned Ecoshield Windows high marks for longevity. All Ecoshield Windows are backed by the strongest warranty in the industry.

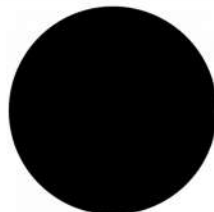
Standard Exterior Colors



TERRASTONE



FIELDSTONE



BLACK



BRONZE



AUTUMN RED



HUNTER GREEN

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

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

