



700 Casement New Construction

High Performance, Low Maintenance

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.

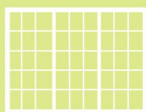
Our Windows are made in the Northeast for the Northeast backed by 4 generations of our family – serving you since 1946.

MADE IN AMERICA

* Courtesy Truseal Technologies



Casement



Patio Door



Half Round



Bay/Bow



Double Hung



Rolling



Specialty Shape

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.

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"/>
	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 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 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 Jambs 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"/>

What's between the Glass Makes all the Difference

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



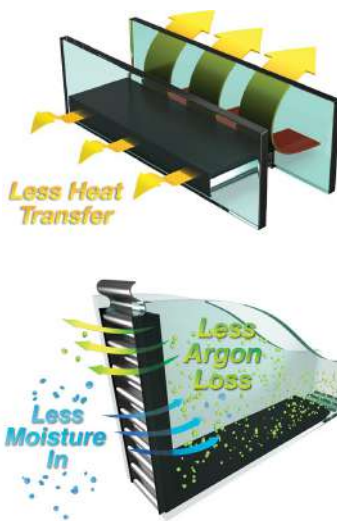
Windows built with Duralite technology reduce heat transfer and help stabilize the temperature of the inner windowpane, maintaining a comfortable inside environment, condensation-free glass, and saving you money on energy costs.



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.



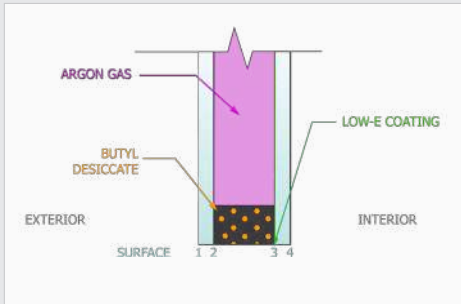
SUPERIOR THERMAL PERFORMANCE

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.

Not All Glass is Created Equal

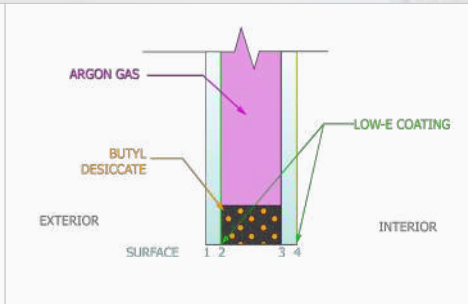
Windows in the Northeast can take a beating - Get the Right Glass!!!

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



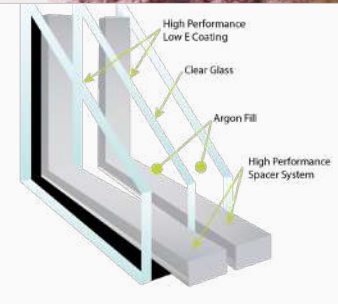
Energy Star III

- 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!*



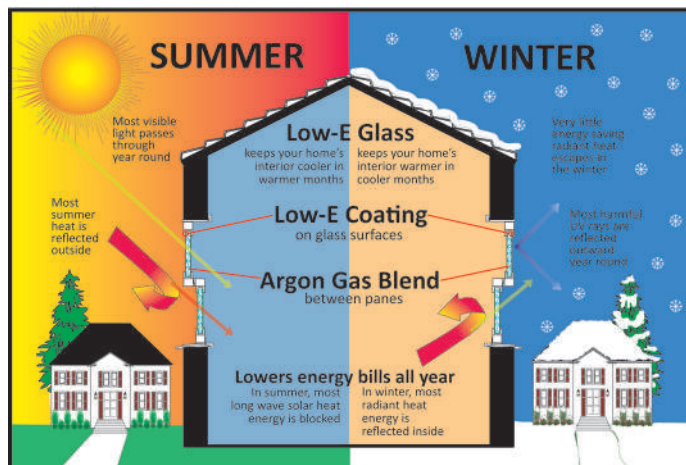
Energy Star U4

- 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

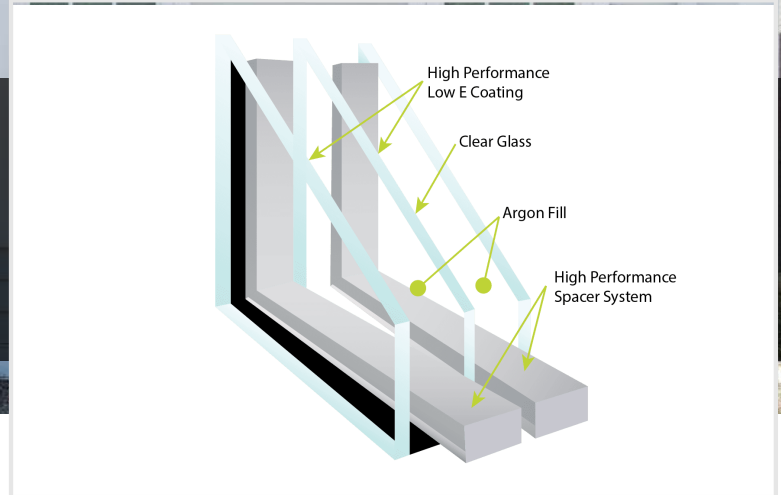
REDUCE THE AVERAGE HEAT LOSS THROUGH WINDOWS BY AS MUCH AS 40 PERCENT!

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	Eye	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	Eye	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.

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.

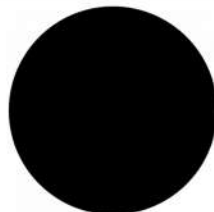
Standard Exterior Colors



TERRASTONE



FIELDSTONE



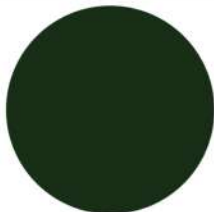
BLACK



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

