

### Replacement Windows

High Performance, Low Maintenaance

## **BUILT NORTH** IN THE EAST FOR THE NORTHEAST



- Low Energy Consumption
- Smaller Carbon Footprin
- Durable Sustainable Materials



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



- Low Air Infiltration
- High-Tech UV Protection









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

Frames and components are built to the stringent specifications of

the stringent specifications of the American Architectural Manufacturers Association.

#### NFRC

America's leading window rating agency gives

MasterView Windows their top rating for energy efficiency.



#### The MasterView Windows Story

MasterView 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, MasterView Windows are guaranteed to work beautifully for years.

#### Ecology. Economy.

MasterView 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.

MasterView New Construction 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

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

















# What's between the Glass Makes all the Difference

MASTERVIEW 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.

A Masterview 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.





- 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



- 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





- → 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



- 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.

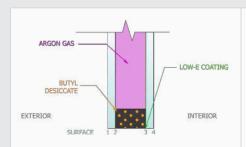


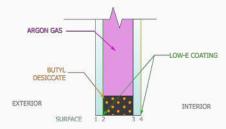
## Glazing Options

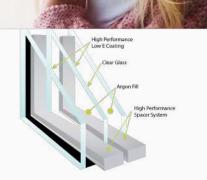
## Not All Glass is Created Equal

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**

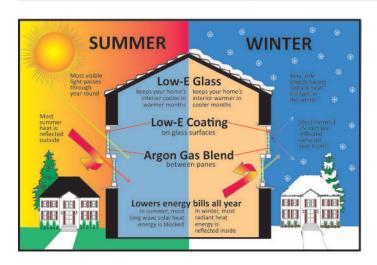
- Higher level of solar heat control for the Northern Region
- High visible light transmission of 68% for plenty of natural daylighting and visibility into interior spaces
- Lower level of indoor and exterior reflectance
- The Low-e coating on this surface keeps weather OUT of your home. Frigid winter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





#### 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 climages like the Northeast demand performance from their windows! R 5 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	У	DOUBLE ARGON
SSB	WITH GRIDS	0.20	0.18	0.32	75	У	DOUBLE ARGON
DSB	WITHOUT GRIDS	0.21	0.19	0.35	74	У	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	У	DOUBLE ARGON
SSB	WITH GRIDS	0.21	0.18	0.32	74	У	DOUBLE ARGON
DSB	WITHOUT GRIDS	0.22	0.19	0.35	74	У	DOUBLE ARGON
DSB	WITH GRIDS	0.22	0.18	0.32	74	Y	DOUBLE ARGON

#### THE R FACTOR

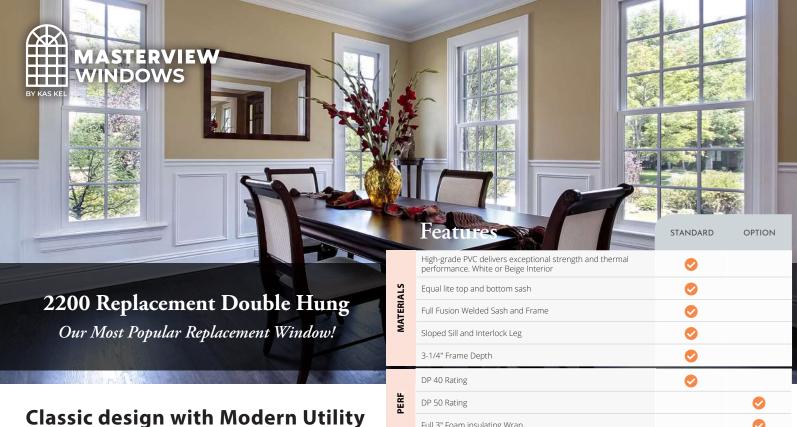
indicates a windows resistance to Heat Flow (The higher the number the more effective the insulting factor).

#### **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.





#### **Classic design with Modern Utility**

The 2200 series double hung comes standard with features superior over the ordinary replacement 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.

#### NFRC Thermal Performance Data\*

GLAZING	U-FACTOR	SHGC	VLT	CR	ZONE
Energy Star U4	0.25	0.27	0.48	47	NC
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	N, NC
Clear	0	0	0	-	NC

<sup>\*</sup>contact us to see thermal data with grids.

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









	performance. White or Beige Interior		
ALS	Equal lite top and bottom sash		
MATERIALS	Full Fusion Welded Sash and Frame	<b>Ø</b>	
Ž	Sloped Sill and Interlock Leg	<ul><li>Ø</li><li>Ø</li><li>Ø</li></ul>	
	3-1/4" Frame Depth	<b>Ø</b>	
	DP 40 Rating		
PERF	DP 50 Rating		<b>Ø</b>
	Full 3" Foam insulating Wrap		
	Energy Star III		
<u>9</u>	Energy Star U-4		
GLAZING	Clear insulated glass (3/4")		
Ū	Duralite flexible, warm-edge spacers		
	Tints, Heat Reflection and other options available		<b>Ø</b>
	Aluminum Extruded Fiberglass 1/2 screen		
S	Aluminum framed fiberglass full screen		<b>Ø</b>
SCREENS	Extruded Aluminum framed locking 1/2 Screen		
Ň	Aluminum Screening Material		<b>Ø</b>
	Full Flex Screens		<b>Ø</b>
	Our Cam Locks are made of alloyed cast steel to stand up to frequent use. (inferior vinyl windows have plastic locks)		
	All windows over 23 1/2 inches have 2 sash locks for maximum	<b>Ø</b>	
WARE	Produced in white or beige to seamlessly match your window	<b>Ø</b>	
HARDWARE	Increased leverage assures a weathertight seal when locked	<ul><li><b>⊘</b></li><li><b>⊘</b></li></ul>	
_	Night Latches	<b>Ø</b>	
	WOCD sash limiters		
Z	Composite Reinforced Meeting Rail	<b>Ø</b>	
UCTION	Bottom and Top Sash Tilt in for easy cleaning		
CONSTRU	Double weather stripped Meeting Rail		
8	Full 3" Foam insulating Wrap		<b>Ø</b>
GRILLS	5/8" Contoured Grill Between the Glass		
GRII	3/4" Contoured SDL with spacer bar		<b>Ø</b>





#### 2200 ROLLING

The 2200 Masterview 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	NC
Clear	0	0	0	-	

<sup>\*</sup>contact us to see thermal data with grids.

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op	eration	STANDARD	OPTION
	High-grade PVC delivers exceptional strength and thermal performance. White or Beige Interior	<b>Ø</b>	
MATERIALS	Fusion Welded Sash and Frame	<b>Ø</b>	
MATE	Sloped Sill and Interlock Leg	<ul><li>✓</li><li>✓</li><li>✓</li></ul>	
	Sash is easily removed for cleaning.		
	DP 35 Rating		
PERF	DP 40 Rating		
2	DP 50 Rating		<b>Ø</b>
	Full 3" Foam insulating Wrap		<b>Ø</b>
	Energy Star III (recommended)		<ul><li></li><li></li><li></li><li></li><!--</td--></ul>
9	Energy Star U-4		<b>Ø</b>
GLAZING	Clear insulated glass		<b>Ø</b>
G	Duralite flexible, warm-edge spacers		
	Tints, Heat Reflection and other options available		
	Aluminum Extruded Fiberglass 1/2 screen		
SCREENS	Aluminum framed fiberglass full screen		<b>Ø</b>
SCR	Extruded Aluminum framed locking 1/2 Screen		<b>Ø</b>
	Aluminum Screening Material		<b>Ø</b>
GRILLS	5/8" Contoured Grill Between the Glass		
<u>R</u>	3/4" Contoured SDL with spacer bar		
	Smarter Rolling Windows are built on precision-calibrated rollers for long life and smooth fingertip operation. Sash is easily removed for cleaning.	•	
ARE	Our Cam Locks are made of alloyed cast steel to stand up to frequent use.		
HARDWARE	All windows over 28 inches tall have 2 sash locks for maximum protection frame		
_	Produced in white or beige to seamlessly match your window frame		
	Increased leverage assures a weather tight seal when locked		





The Kas-Kel 2200 Picture Window complements our most popular double hung vinyl replacement window.

The slim frame design allow for maximum viewing area, while our Energy Star glazing package meets the latest, most rigorous Energy Star standards.

#### NFRC Thermal Performance Data\*

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

<sup>\*</sup>contact us to see thermal data with grids.

	Features	STANDARD	OPTION
	High-grade Advanced Formula PVC	<b>Ø</b>	
MATERIALS	Thermal Fusion Welded Frame	<b>Ø</b>	
MATE	Interlocking Sloped Sill	<b>Ø</b>	
	3 ¼" Frame Depth	<b>Ø</b>	
	DP 40 Rating	<b>Ø</b>	
PERF.	DP 50 Rating		<b>Ø</b>
	Full 3" Foam insulating Wrap		<b>Ø</b>
	Energy Star III		
9	Energy Star U-4		<b>②</b>
GLAZING	Clear insulated glass		
ō	Duralite flexible, warm-edge spacers	<b>Ø</b>	
	Tints, Heat Reflection and other options available		<b>Ø</b>
LLS	3/4" Contoured Grill Between the Glass		
GRILLS	3/4" Contoured SDL with spacer bar		<b>②</b>

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

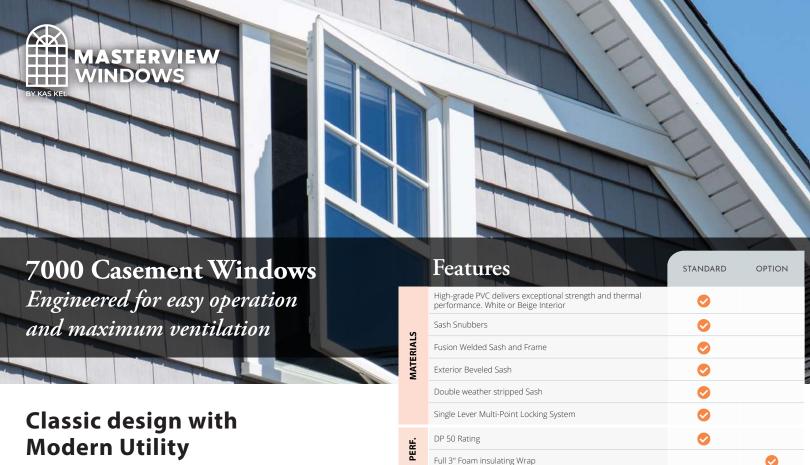












By design this window combines the beauty and performance you would expect to find in premium window. Multiple point locking system with a clean fold away handle speaks volumes about our Casements. Configured with single or multi-unit combination for maximum ventilation. Fabricated for today's generation.

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

<sup>\*</sup>contact us to see thermal data with grids.

Energy Star III Energy Star U-4 GLAZING DOE R5 Triple Glass Package Clear insulated glass Duralite flexible, warm-edge spacers Tints, Heat Reflection, Impact Resistance, Triple Glazing and other options available Folding Hardware HARDWARE Egress Hardware Sash Limiter Hardware (for Fall Prevention) Aluminum Extruded Full View Fiberglass Full Screen Aluminum Screening Material 3/4" Contoured Grill Between the Glass 3/4" Contoured SDL with spacer bar 2" Contoured SDL with spacer bar for simulated Double Hung look

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## 7000 Series | Awning window

Easy operation and maximum ventilation

# The Replacement Awning window with superior features

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

<sup>\*</sup>contact us to see thermal data with grids.

-			1000000	
		Features	STANDARD	OPTION
		High-grade PVC delivers exceptional strength and thermal performance. White or Beige Interior	<b>Ø</b>	
	IALS	Fusion Welded Sash and Frame	<b>Ø</b>	
	MATERIALS	Exterior Beveled Sash		
	2	Sash Snubbers	<b>Ø</b>	
		Double weather stripped Sash		
	PERF.	DP 50 Rating		
	E	Full 3" Foam insulating Wrap		<b>Ø</b>
		Energy Star III (recommended)		
		Energy Star U-4		<b>O</b>
	ING	DOE R5 Triple Glass Package		<b>Ø</b>
	GLAZING	Clear insulated glass		<b>Ø</b>
		Duralite flexible, warm-edge spacers	<b>Ø</b>	
		Tints, Heat Reflection, Impact Resistance and other options available		<b>Ø</b>
	ARE	Produced in white or beige to seamlessly match your window frame		
	HARDWARE	Single Lever Multi-Point Locking System		
	Ŧ	Folding Hardware		
	SCREENS	Extruded aluminum framed fiberglass full screen		
	SCRE	Aluminum Screening Material		<b>Ø</b>
	W	3/4" Contoured Grill Between the Glass		<b>Ø</b>
	GRILLS	3/4" Contoured SDL with spacer bar		<b>Ø</b>
	U	2" Contoured SDL with spacer bar for simulated Double Hung look		<b>Ø</b>

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













#### Expansive views and versatile style.

Available in your choice of glass options and grid patterns. The 7000 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

#### NFRC Thermal Performance Data\*

GLAZING	U-VALUE	SHGC	VLT
DOE – R5	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

<sup>\*</sup>contact us to see thermal data with grids.

KAS-KEL 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	<b>Ø</b>	
	Thermal Fusion Welded Frame	<b>Ø</b>	
PERF.	DP 50 Rating		
	Full 3" Foam insulating Wrap		<b>Ø</b>
GLAZING	Energy Star III (recommended)		
	Energy Star U-4		<b>Ø</b>
	DOE R5 Triple Glass Package		<b>Ø</b>
	Clear insulated glass		<b>Ø</b>
	Duralite flexible, warm-edge spacers		
	Impact Resistance, Tints, Heat Reflection, and other options available		<b>Ø</b>
GRILLS	3/4" Contoured Grill Between the Glass		
	3/4" Contoured SDL with spacer bar		<b>Ø</b>





# 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.** 

NFRC THERMAL PERFORMANCE DATA*								
Low E w/ Argon	0.33	0.29	0.53	54				
High Perf. Low E	0.46	0.63	0.65	43				

<sup>\*</sup>contact us to see thermal data with grids.

MASTERVIEW 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 Advanced Formula PVC		
	Sill Design Engineered for Excellent Drainage		
	5, 6, 8 Foot 2-Lite Styles		
	9, 12 Foot 3-Lite Styles		
פ	Low- E with Argon		
GLAZING	Energy Star U-4		<b>Ø</b>
J	Tints, Heat Reflection and other options available		<b>Ø</b>
SCREENS	Aluminum Screen Frame with Fiberglass Mesh Screening	<b>Ø</b>	
	Integral Nail Fin and Screen Track		
NOF	One Rolling and One Stationary Panel	<b>Ø</b>	
CONSTRUCTION	Interlocking Meeting Rail	<b>Ø</b>	
CON	Field Applied Extension Jamb		
	White, Beige and Bronze/White Interior Colors		
GRILLS	3/4" Contoured Grill Between the Glass		<b>Ø</b>
	3/4" Contoured SDL with spacer bar		<b>Ø</b>







The MasterView Windows Bay/Bow series provides highend elegance in a high-efficiency system. With its heavily insulated seat board and Energy Star Rated Glazings packages, MasterView 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**

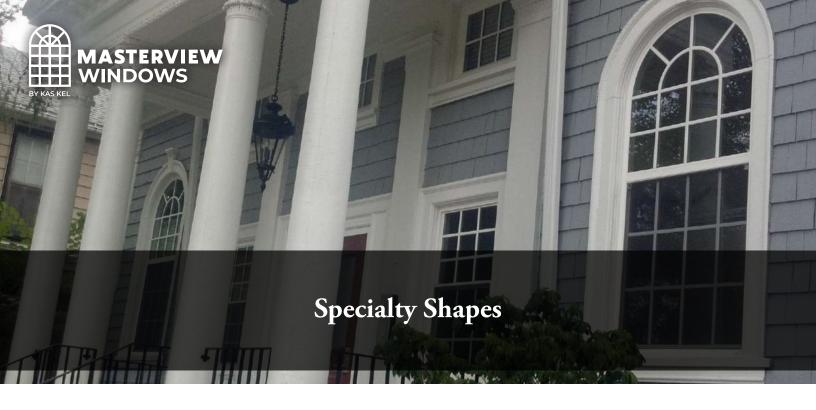
- Energy Star Rated Glazing Packages
- Profile or SDL Grid Package
- Multiple Colors Available
- Custom Jamb Depths

## **Bay Window**



#### **Bow Window**





#### **Architectural freedom** doesn't mean sacrificing efficiency

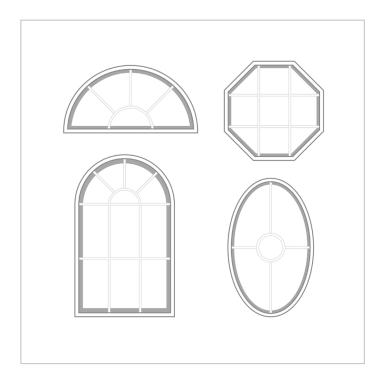
Kas-Kel Specialty Shapes allow for unusual and uniquely shaped windows to function with the same energy efficiency and functional integrity as our other time-tested vinyl windows.

For building or remodeling, these vinyl windows open a new world of possibilities.

#### **Shape Options**

- Gothic/Half-Gothic
- Circle Top
- Eyebrow
- Oval/Half-Oval
- Full Circle

- Ellipse
- Transom
- Quarter Arch
- Operating Octagon
- Custom Shapes



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#### Simulated Divided Light Grill



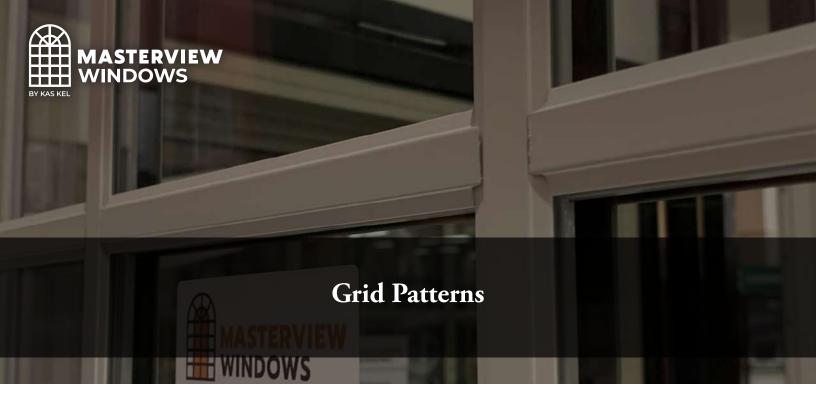
- 3/4 Contoured SDL with spacer bar
- Our simulated divided light grill incorporates a space giving the look of true divided light

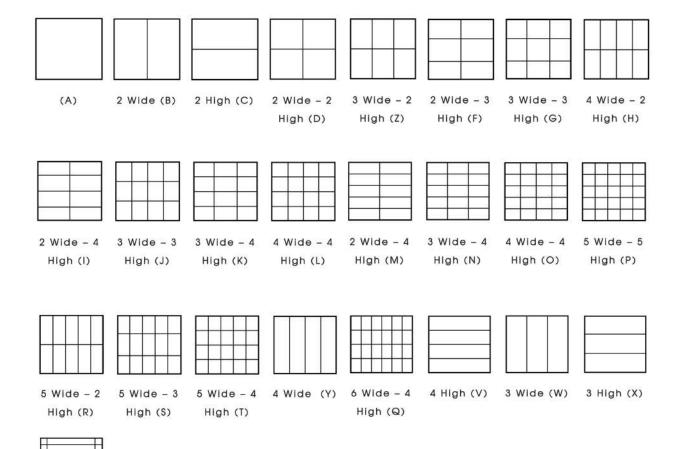
# Grill Between the Glass



- 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.







NOTE: Grid pattern will be factory recommended unless otherwise specified at the time of the order



Border (F)





- 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

Kas-Kel 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

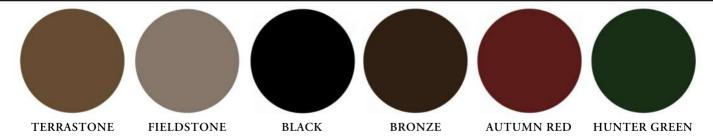
Kas-Kel Windows come in a wide range of styles to complement almost any architecture. They're low maintenance, high-performance, easy to clean, and a natural fit with any living room or lifestyle.



#### Built for Life

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

### Standard Exterior Colors



#### 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









