



**KV Custom  
Windows + Doors**



**Patio Doors**



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# Slide your way to the patio.

Our Patio Door Collections are developed with cutting edge technology and manufacturing to ensure outstanding reliability. Patio doors are not just a door but a seamless transition between the inside of your home to the beauty of the outside.

# 01

## Patio Door Collections



# Imperial Patio Door



## What are Imperial Patio Doors?

KV Imperial Patio Doors are designed to brighten up your living space. Imperial Patio Doors come in 2, 3 or 4 large glass panels that are either fixed or operating. The 2-panel has one operating panel, the 3-panel has one or two operating panels and the 4-panel has two operating panels.

Design and customize your KV Imperial Patio Door with an unlimited range of colours, options & accessories to suit your home.

### KEY FEATURES

1. All vinyl mechanical frame with steel reinforced welded Euro style sash
2. Premium Black "S" Class Super Spacer® and full 1" or 1 3/8" insulated glass complete with Double Low E and Argon
3. KV White 136 standard
4. Triple sealed frame and sash for optimal performance
5. Standard twin-point lock and kicklock
6. Heritage decorative handle in white, cream or black is standard with contemporary handle options available
7. Extruded wide rail screen with mortise lock and keeper



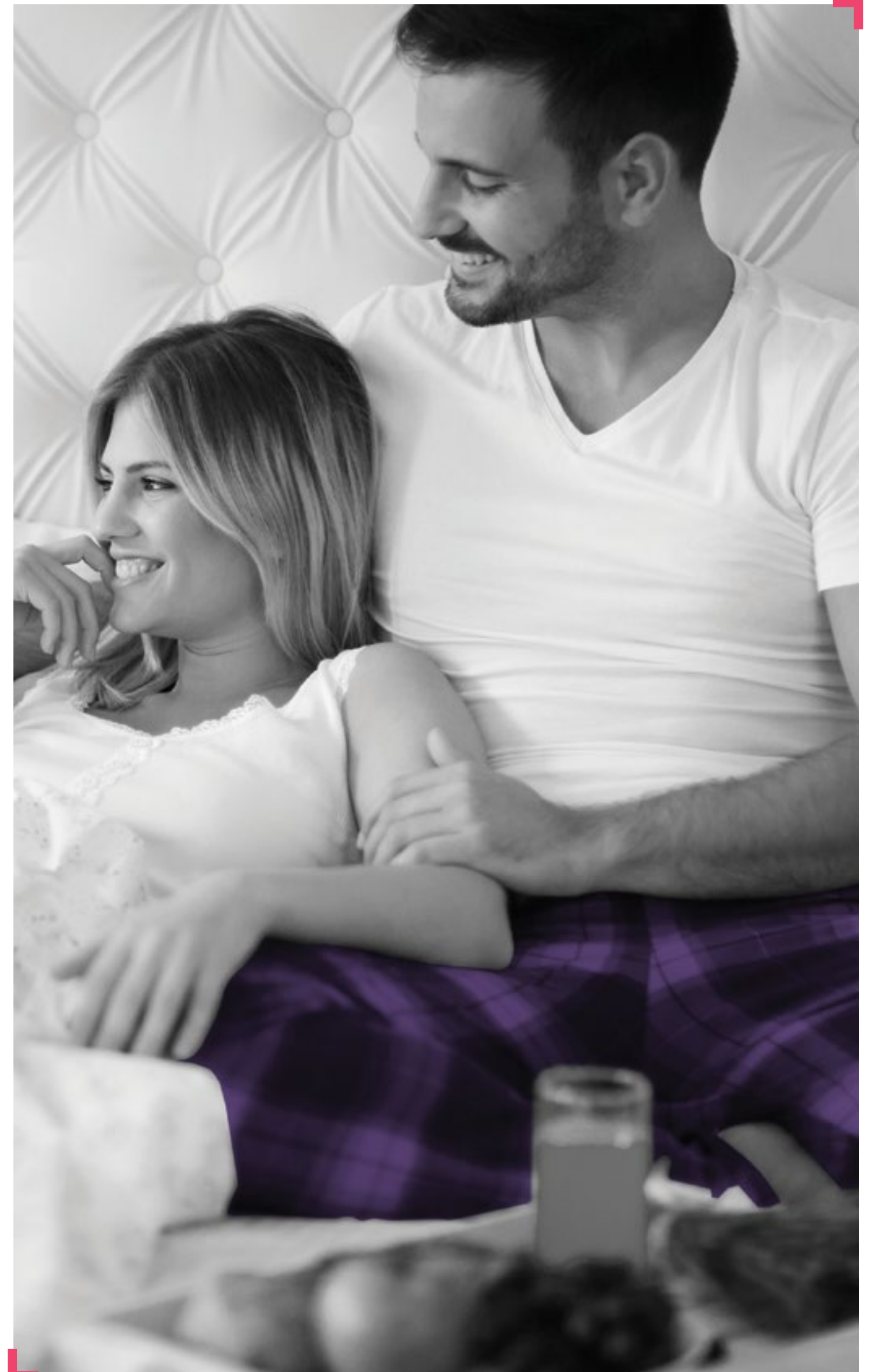
Kicklock



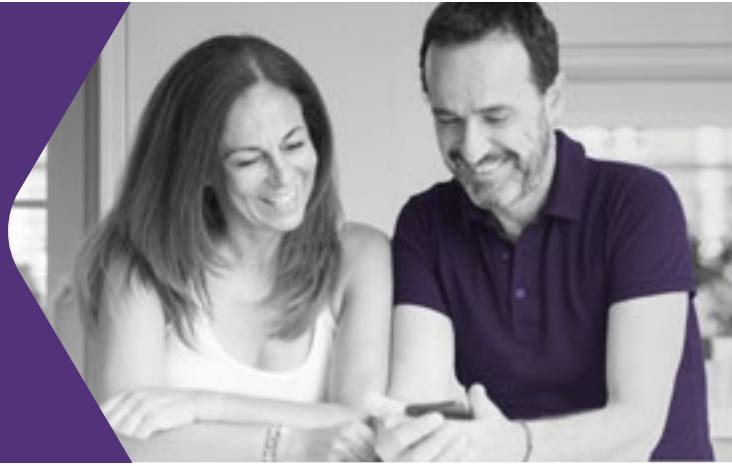
Twin-Point Lock



Full Anodized Aluminum Threshold



## Imperial Patio Door with Mini Blinds

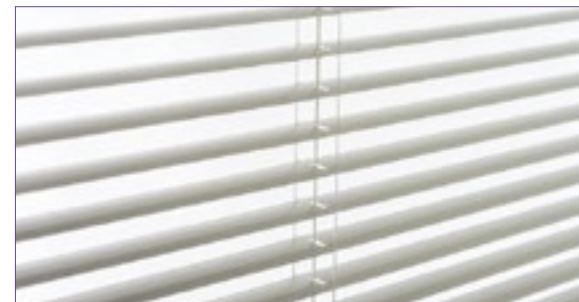


### What are Imperial Patio Doors with Mini Blinds?

A KV Imperial Patio Door with mini blinds is a patio door that allows you to control the amount of privacy and sunlight you want in your home. With mini blinds on all panes, they come with the standard raise, lower and tilt features.

#### KEY FEATURES

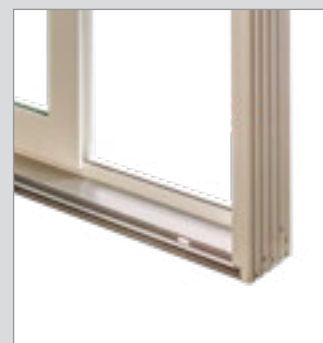
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Kicklock



Twin-Point Lock



Full Anodized Aluminum Threshold



# Stylish additions to your home.

Our KV Custom Patio Doors come with various options and accessories to add the perfect detail to your home.

# 2022

## Patio Door Options & Accessories



## Grill Options

The options are endless.

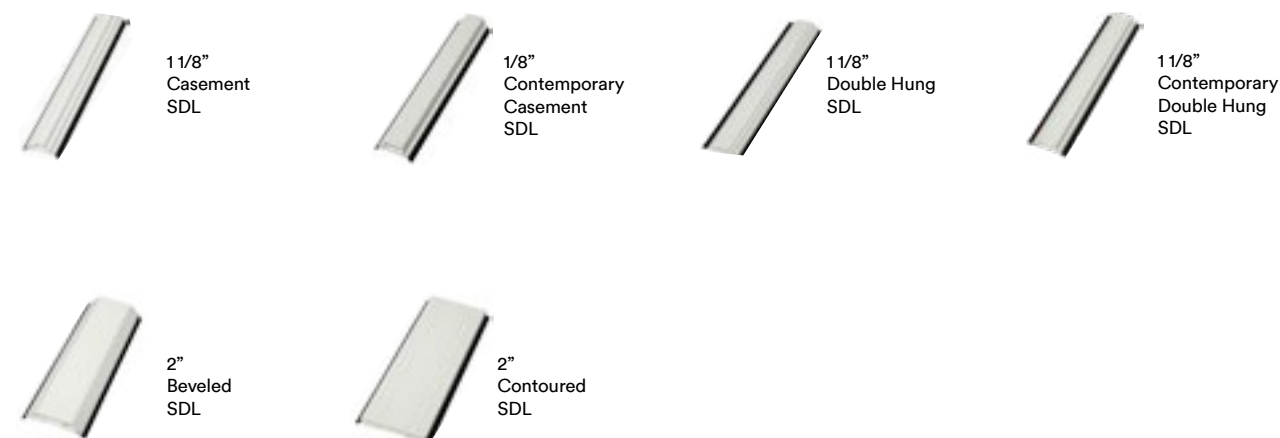
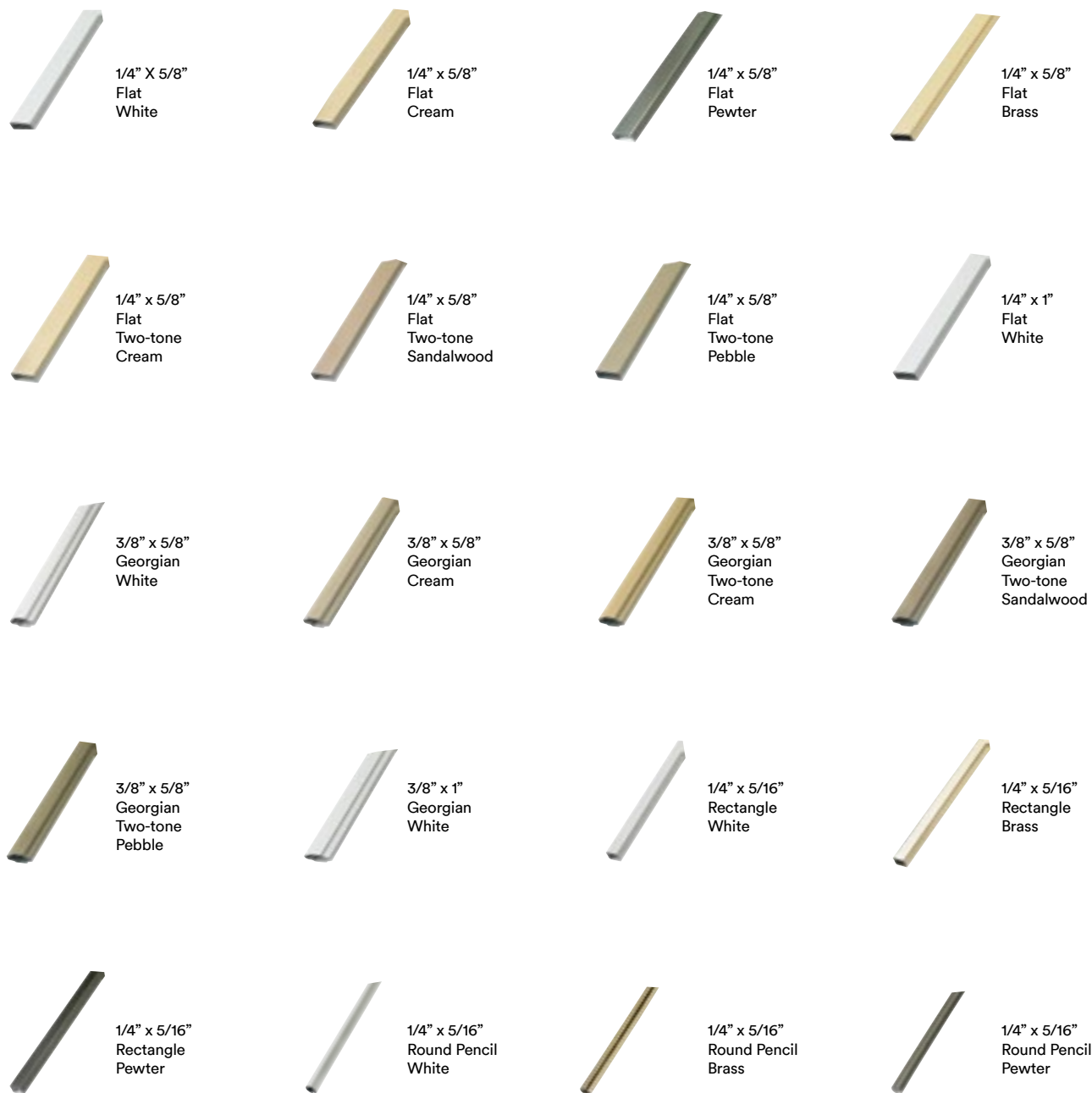


The Internal Grill & Simulated Divided Lites are timeless designs on a patio door using horizontal and vertical bars that separate the patio door into panes. In addition to having the largest selection of grills, KV Custom Windows & Doors can also create a customized grill pattern to perfectly fit your home.

### Internal Grills & Simulated Divided Lites

Our stylish internal grills, available in different grill types, colours and patterns, are a great way to help bring your patio door designs to life. Inserted into glass panes at the time of door manufacture, they don't get in the way of cleaning the glass.

Simulated divided lites add a unique look to a home while ensuring modern energy efficiency and performance. A simulated divided lite is when a patio door has grills attached to the inside and outside of the glass.



## Exterior Accessories



### Decorative Brickmolds

These exterior accessories will add even more beauty, value and efficiency to an already outstanding patio door.



1/4" Flush



3/4" Sub-sill



7/8" Standard



1 1/4" Standard



1 1/4" Siding



1 1/4" Contoured



2" Stepped



2 1/2" Siding



3 1/2" Contoured



3 1/2" Stepped



Flush Nailing Fin



1 1/8" Set Back Nailing Fin

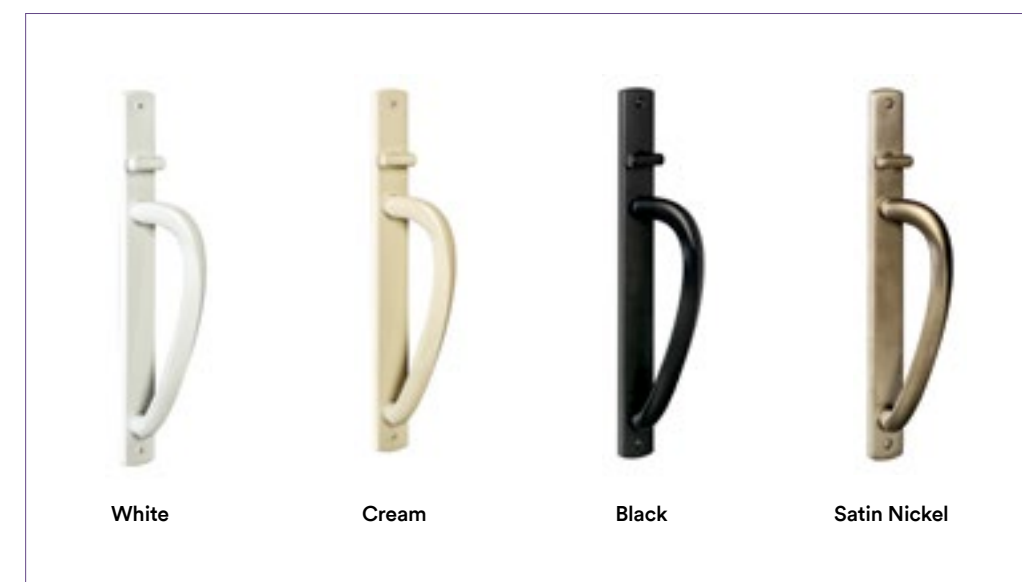
► For our complete line of exterior accessories please contact your local KV Dealer.

## Hardware



### Traditional Hardware

Our traditional handles have a curved, smooth handle bringing a classic distinction and sophistication to your home.



### Contemporary Handles

Our contemporary handles are sleek, modern, and come in various finishes that will enhance the appearance of your home.



### Multi-Point Lock System

For maximum security, KV Custom Windows & Doors offers a Multi-point lock system that activates automatically by simply closing the door. The upper and lower latches instantly engage and become 2 additional deadbolts. The door is locked when you simply turn the knob or key, engaging the central deadbolt.

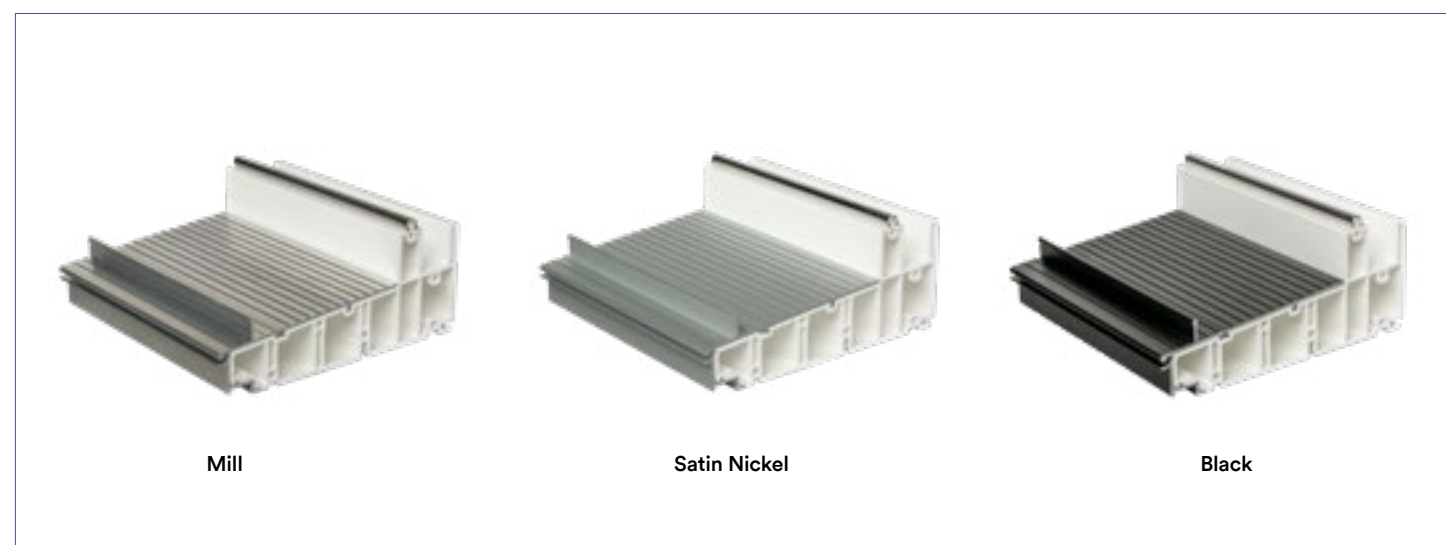


## Sills & Sill Extensions



### Patio Door Sills

The Imperial Patio Door sills are uniquely designed for every homeowner so that you can choose your own Anodized finish to match your home.



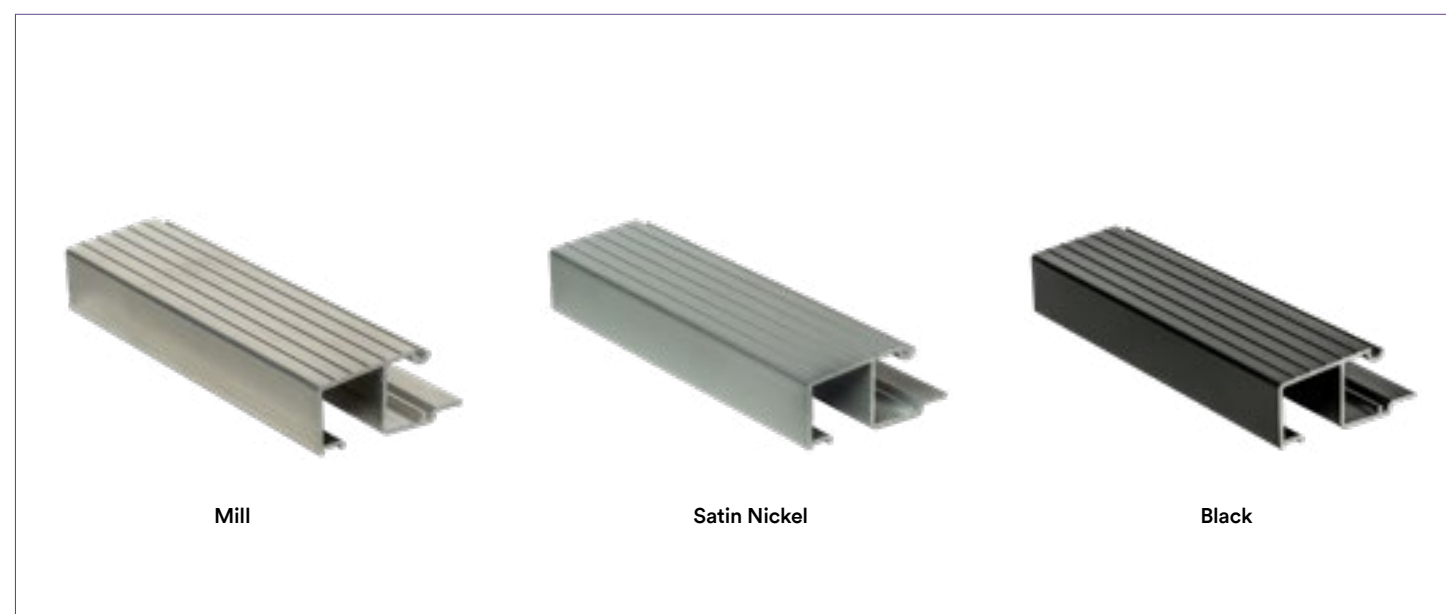
Mill

Satin Nickel

Black

### Patio Door Sill Extensions

Add the final touches to your patio door by pairing your sills with a matching sill extension. Our sill extensions are available in all patio door sill finishes.



Mill

Satin Nickel

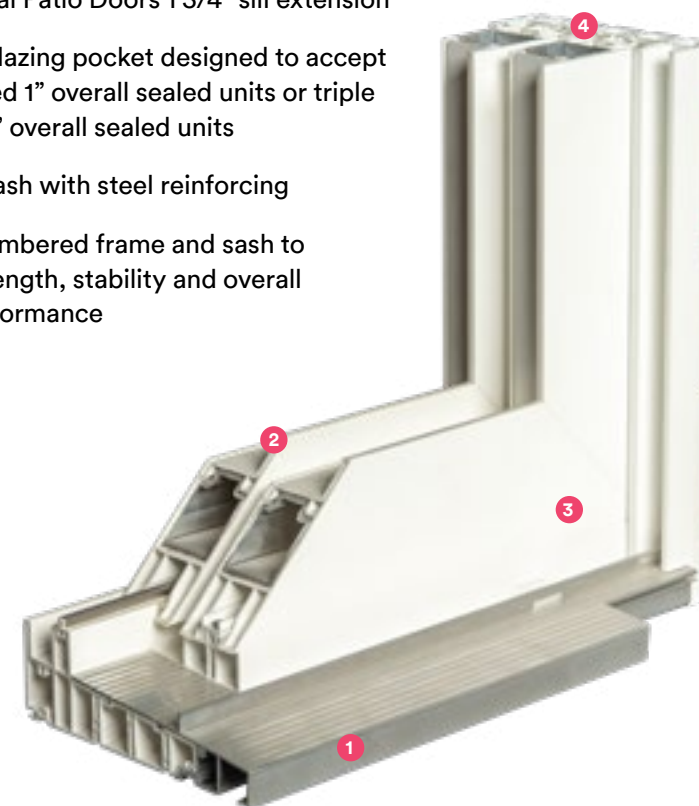
Black

▶ Please visit your local KV dealer to have a closer look at the finish options.

## Anatomy

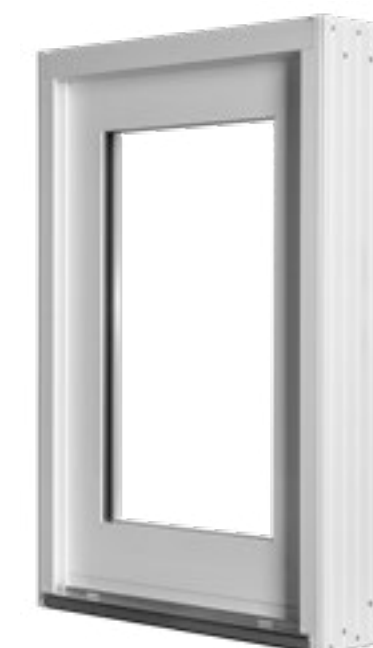


1. KV Imperial Patio Doors 1 3/4" sill extension
2. Custom glazing pocket designed to accept double glazed 1" overall sealed units or triple glazed 1 3/8" overall sealed units
3. Welded sash with steel reinforcing
4. Multi-chambered frame and sash to enhance strength, stability and overall thermal performance



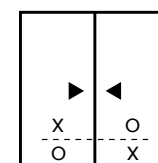
### Sidelite

The KV Imperial Patio Door sidelite extends the width and/or height of any KV Imperial Patio Door. The main frame and sash sightlines combine to replicate the look of the patio door panels, creating a seamless transition between the patio door and sidelites.



### Imperial Patio Door with Mini Blind - Size Chart

#### 2-Panel



Width	X	Available Heights
58 1/2"	X	79 1/2"
59 1/2"	X	79 1/2" 81 1/2"
70 1/2"	X	79 1/2"
71 1/2"	X	79 1/2" 81 1/2"

Operation: X - Operating O - Fixed

### Transom

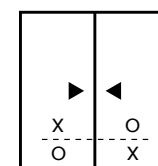
The KV Imperial Patio Door Transom extends the width and/or height of any KV Imperial Patio Door. The low profile main frame sightlines reduce the visibility of the frame and increase the visibility of the glass to allow more sunlight into your home.



Custom sizing is available upon request

### Imperial Patio Door - Size Chart

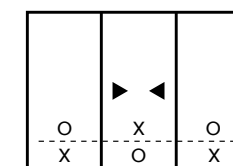
#### 2-Panel



Width	X	Available Heights
58 1/2"	X	79 1/2"
59 1/2"	X	79 1/2" 81 1/2" 95 1/2"
70 1/2"	X	79 1/2"
71 1/2"	X	79 1/2" 81 1/2" 95 1/2"
83 1/2"	X	79 1/2" 81 1/2" 95 1/2"
95 1/2"	X	79 1/2" 81 1/2" 95 1/2"
107 1/2"	X	79 1/2" 81 1/2" 95 1/2"

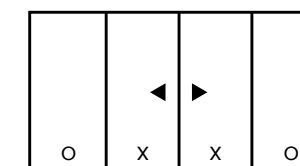
Operation: X - Operating O - Fixed

#### 3-Panel



Width	X	Available Heights
119 1/2"	X	79 1/2" 81 1/2" 95 1/2"
143 1/2"	X	79 1/2" 81 1/2" 95 1/2"
116 1/2"	X	79 1/2" 81 1/2" 95 1/2"
140 1/2"	X	79 1/2" 81 1/2" 95 1/2"

#### 4-Panel



Width	X	Available Heights
141 1/2"	X	79 1/2" 81 1/2" 95 1/2"
165 1/2"	X	79 1/2" 81 1/2" 95 1/2"
189 1/2"	X	79 1/2" 81 1/2" 95 1/2"

# Custom Colour



## Express yourself through colour

Choose from 31 standard paint finishes and 10 standard stain finishes for the interior and exterior of your door. We'll match any colour you desire. We use a premium paint formula for fade resistance and colour retention. Our water-based paints are environmentally responsible.

▶ **Disclaimer:** The colours shown are for representation only. Please consult a KV dealer for the KV colour chart to obtain accurate colours.



**Technology**  
More than just a great view.



KV Custom Windows & Doors proudly offer beautifully designed products with state-of-the-art technology, providing your home with the pinnacle of energy, security and longevity.

### Thermal Insulation

#### Protection from outside temperatures.

Low E Coating is an applied metallic coating that provides added protection against harmful UV rays and keeps your home insulated against energy loss during all seasons. The layers of transparent silver allow the glass to reject the sun's heat in the summer and reflect furnace heat back into your home in the winter.

Argon Gas is an inert, low moving gas that gives the best thermal performance possible. Replacing the air between the panes of a glass unit with Argon Gas, heat loss is prevented.

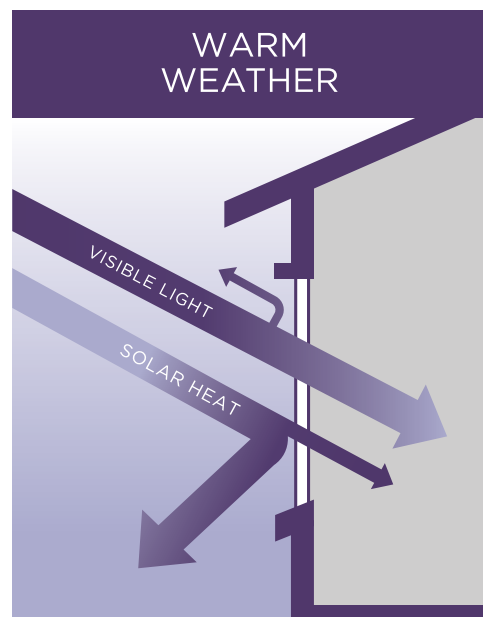
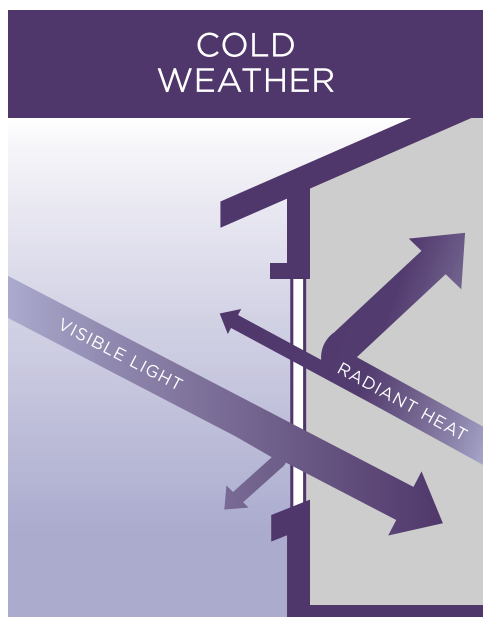
Low E and Argon Gas are standard on all KV Windows, Entrance Doors, and Patio Doors, creating the most balanced energy performance for both winter heatings and summer cooling.

#### Cold Weather

Radiant heat is kept inside your home during winter.

#### Warm Weather

UV is reflected back out in the summer.



### KV Lifetime Warranty

#### So you can relax.

KV Custom Windows & Doors takes pride in offering our customers an industry leading "Limited Lifetime Fully Transferrable" warranty. We give every Window, Entrance Door, and Patio Door our undivided attention and warrants that our products will be free of any material or manufacturing defects. We offer our Lifetime Warranty on solid PVC white and cream colours against blistering, peeling, flaking, cracking or fading. Windows and doors with exterior paint have a 15-year warranty.



### The Energy Star Program & Test Results

#### Energy efficiency at its best.

The Energy Star Program helps homeowners make educated choices when purchasing new windows and doors. KV Custom Windows & Doors complies with all of Canada's four regions and offers maximum insulation during the coldest winters, hottest summers, and every day in between. Our products meet the Energy Star Program guidelines for helping businesses and individuals protect the environment through the superior energy efficiency.



KV Test Results:
<b>A3 - B4 - C3 - PG40</b>

### Protecting the Environment

#### Making a positive impact on the planet.

At KV Custom Windows & Doors, we are proactive in controlling waste by recycling all unused raw materials in our manufacturing processes, including PVC, steel, fiberglass, glass, paper and cardboard. We also partner with Royal Plastics & Guardian Glass to design new products that help reduce in-home energy costs.



## Condensation

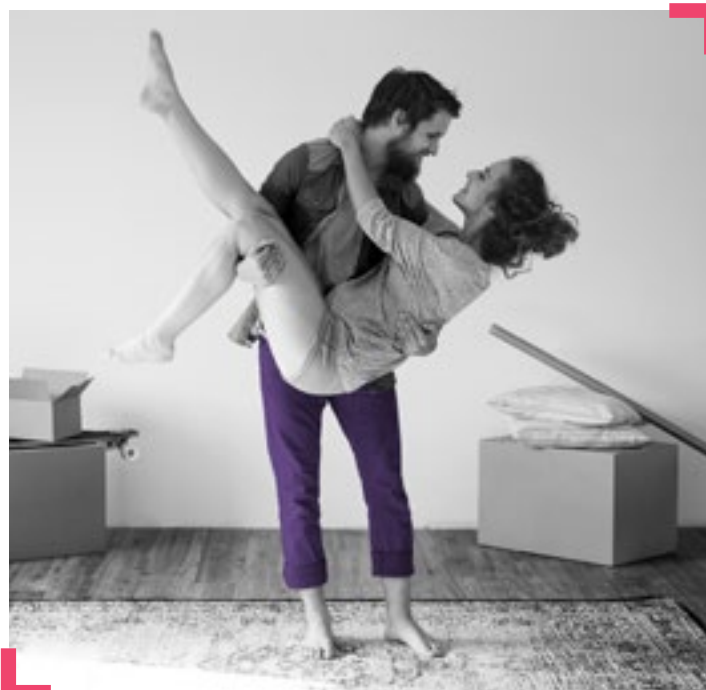
Minimize the likelihood of moisture.



### What is Condensation?

Condensation is the formation of moisture that appears on the inside surface of a window or glass doorlite. It often occurs in winter when the warm air inside the house is higher than colder temperature outside. The higher the moisture levels in the air inside the house, or the colder the temperatures outside, the heavier the condensation.

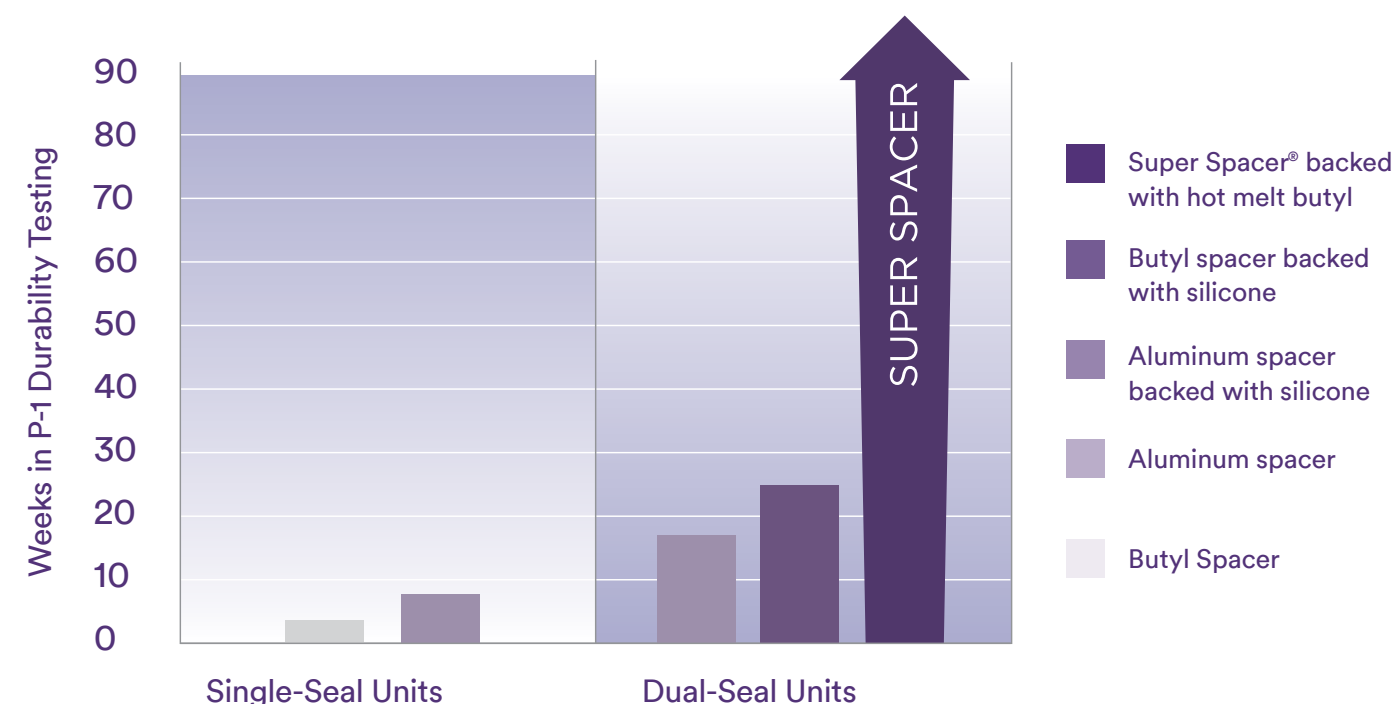
Condensation occurs first around the edge of the glass unit, where surface temperature are coldest. If a standard "aluminum" spacer exists, condensation will form on the glass edge when temperatures fall, even if there is minimal humidity indoors.



KV Custom Windows & Doors values being innovative and are always searching for solutions to make life easier for customers. KV Custom Windows & Doors provide customers with industry leading products that reduce the amount of maintenance required in their home.

### Strength Classification

The Super Spacer® has been tested using the toughest durability test, the P-1 chamber. Tests are done on a weekly basis, consisting of bombarding KV Custom Windows & Doors products with humidity and UV exposure.



### White "S" Class Super Spacer®

All KV Custom Windows & Doors insulated glass units come standard with the industry leading warm edge spacer system, the White "S" Class Super Spacer®. The patented Super Spacer® is the only non-metal spacer manufactured out of 100 percent polymer foam offering performance qualities greater than any other spacer system. Super Spacer® is placed around the edges of the glass unit, reducing the occurrence of condensation.

### Let's talk

We welcome the opportunity to provide you with more information about the benefits of the White "S" Class Super Spacer®, and how it minimizes the occurrence of condensation in your glass units today, tomorrow, and for the life of your KV Windows & Doors. Please contact your local KV dealer to better understand your insulated glass unit options.





**KV Custom  
Windows + Doors**

PVC | Wood | Steel | Fibreglass



**NAFS CERTIFIED**  
NORTH AMERICAN FENESTRATION STANDARD

**IGMA**  
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