



# RAVEN

CUSTOM GLASS & DOORS

GLASS DOORS & WINDOWS

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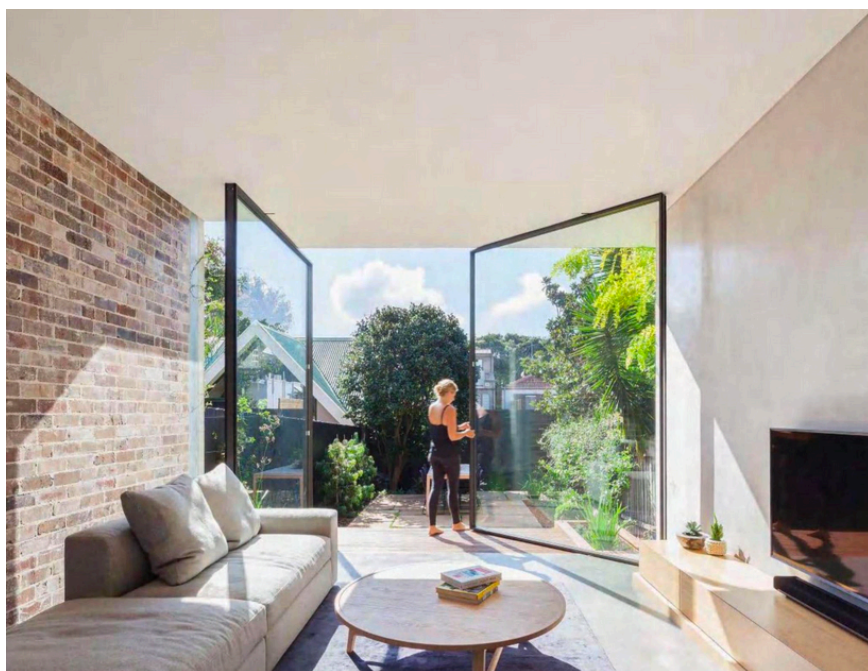
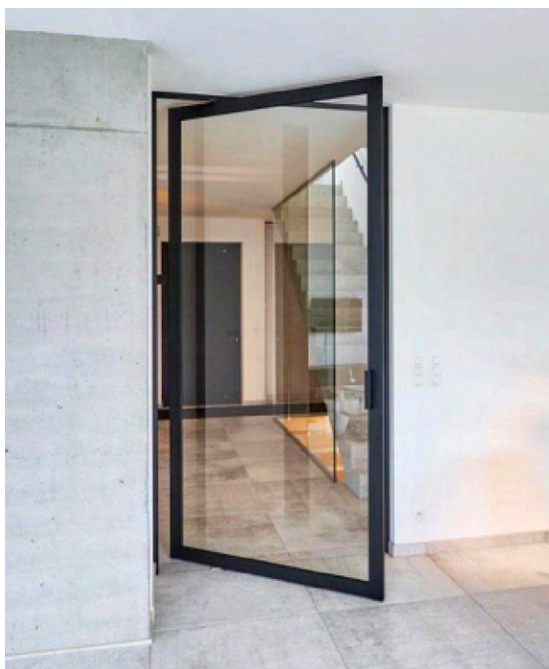


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# PIVOT DOOR

The pivot door adopts aluminum profile as the frame of the door and tempered glass as the facade. The function can well resist wind, can reduce the dissipation of air conditioning, and has the effect of energy saving and air isolation. The design of the central axis door body is generous and spacious, and the style is high-profile and luxurious.



Accessories:



## PRODUCT CONFIGURATION

Frame Material: 6063-T5 Aluminium

Alu-Thickness: 1.4mm 1.6mm 1.8mm 2.0mm & 2.5mm

Glass Type: Tempered glass, single or double

Glass Thickness: 5mm, 6mm, 8mm & 10mm

Accessories: Included

Color: Ral powder coat or Anodized



Water  
Tightness



Heat  
Insulation



Prevent  
Mist



Air  
Tightness



Sound  
performance



Wind Load  
Resistance



# SERIES NARROW EDGE SLIDING WINDOW 152

Sliding window has the advantage of space saving, exterior beauty, price economy and good leakproofness. It can be opened flexibly with a simple push because of high-grade slippery course. Using large glass not only increases the indoor lighting, but also improves the overall appearance of the building.



## PRODUCT CONFIGURATION

Frame Material: 6063-T5 Aluminium

Alu-Thickness: 1.4mm 1.6mm 1.8mm 2.0mm & 2.5mm

Glass Type: Tempered glass, single or double

Glass Thickness: 5mm, 6mm, 8mm & 10mm

Accessories: Included

Color: Ral powder coat or Anodized

Accessories:



Water  
Tightness



Heat  
Insulation



Prevent  
Mist



Air  
Tightness



Sound  
performance



Wind Load  
Resistance

# SERIES THERMAL BREAK SLIDING WINDOW 120

Sliding window has the advantage of space saving, exterior beauty, price economy and good leakproofness. It can be opened flexibly with a simple push because of high-grade slippery course. Using large glass not only increases the indoor lighting, but also improves the overall appearance of the building.



## PRODUCT CONFIGURATION

Frame Material: 6063-T5 Aluminium

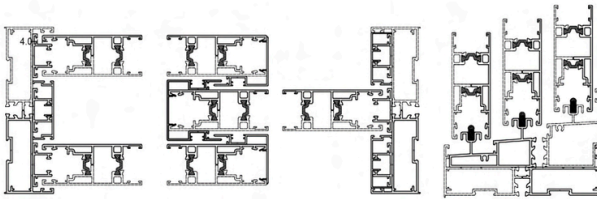
Alu-Thickness: 1.4mm 1.6mm 1.8mm 2.0mm & 2.5mm

Glass Type: Tempered glass, single or double

Glass Thickness: 5mm, 6mm, 8mm & 10mm

Accessories: Included

Color: Ral powder coat or anodized



Accessories:



Water  
Tightness



Heat  
Insulation



Prevent  
Mist



Air  
Tightness



Sound  
performance



Wind Load  
Resistance





# SERIES FOLD UP WINDOW 50

The fold up windows have elegant decorative effects, colorful colors and novel and fashionable appearances. The folding panels can be stopped at any position, and the height can be adjusted as needed. The glass selection IS diversified. In addition, the fold up windows are made of aluminum alloy and the surface is artificial The oxide film is combined with color to form a composite film layer, which is not only corrosion-resistant, abrasion-resistant, and scrub-resistant, but also has a certain fire resistance.



## PRODUCT CONFIGURATION

Frame Material: 6063-T5 Aluminium

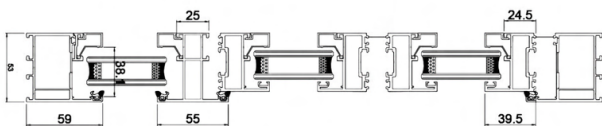
Alu-Thickness: 1.4mm 1.6mm 1.8mm 2.0mm & 2.5mm

Glass Type: Tempered glass, single or double

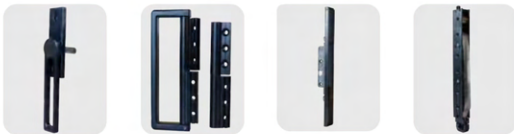
Glass Thickness: 5mm, 6mm, 8mm & 10mm

Accessories: Included

Color: Ral powder coat or Anodized



Accessories:



Water  
Tightness



Heat  
Insulation



Prevent  
Mist



Air  
Tightness



Sound  
performance



Wind Load  
Resistance

# SERIES FOLDING WINDOW 50

The folding glass windows products are gorgeous in appearance and durable, beautiful ni colors and colorful with smooth texture. So they can be perfectly matched with the interior decoration style or doors and Windows.



## PRODUCT CONFIGURATION

Frame Material: 6063-T5 Aluminium

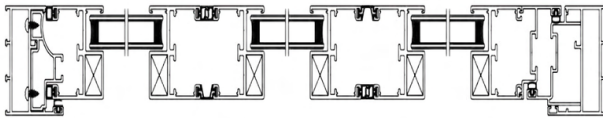
Alu-Thickness: 1.4mm 1.6mm 1.8mm 2.0mm & 2.5mm

Glass Type: Tempered glass, single or double

Glass Thickness: 5mm, 6mm, 8mm & 10mm

Accessories: Included

Color: Ral powder coat or anodized



Accessories:



Water  
Tightness



Heat  
Insulation



Prevent  
Mist



Air  
Tightness



Sound  
performance



Wind Load  
Resistance





# SERIES THERMAL BREAK CASEMENT WINDOW 65

The casement door has various opening modes, diversified styles and shapes, convenient installation, etc. It has long use period, good sealing good thermal insulation and dust proof performance. It's suitable for all kinds of high, medium and low grade decoration.

## PRODUCT CONFIGURATION

Frame Material: 6063-T5 Aluminium

Alu-Thickness: 1.4mm 1.6mm 1.8mm 2.0mm & 2.5mm

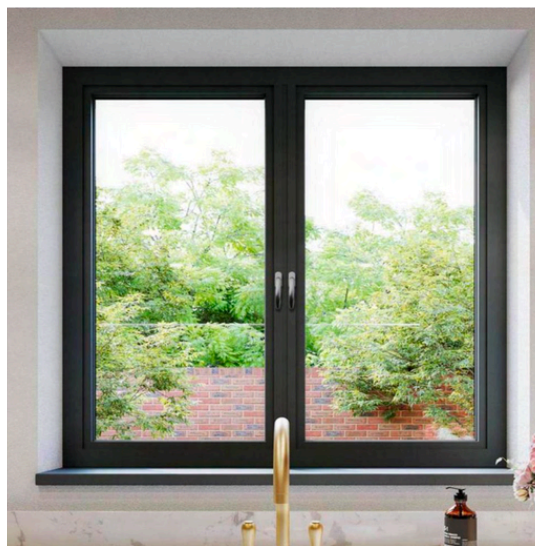
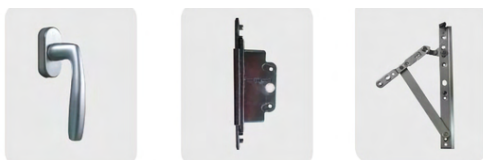
Glass Type: Tempered glass, single or double

Glass Thickness: 5mm, 6mm, 8mm & 10mm

Accessories: Included

Color: Ral powder coat or anodized

Accessories:



Water  
Tightness



Heat  
Insulation



Prevent  
Mist



Air  
Tightness



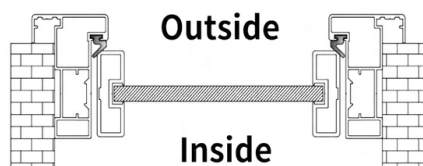
Sound  
performance



Wind Load  
Resistance

# SERIES SLIM FRAME CASEMENT DOOR 4518

The casement door has various opening modes, diversified styles and shapes, convenient installation, etc. It has long use period, good sealing, good thermal insulation and dust-proof performance. It's suitable for all kinds of high, medium and low grade decoration.



Accessories



## PRODUCT CONFIGURATION

Frame Material: 6063-T5 Aluminium

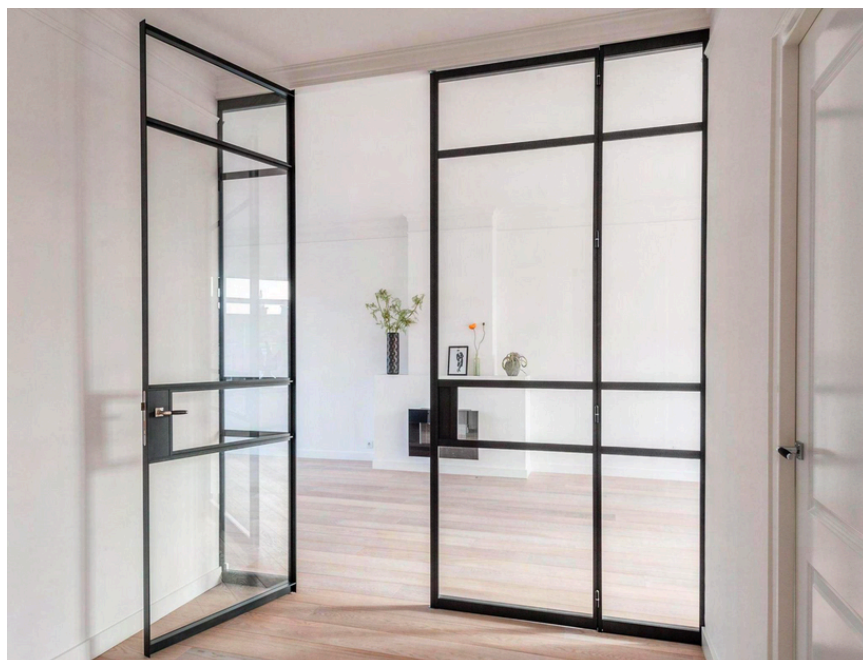
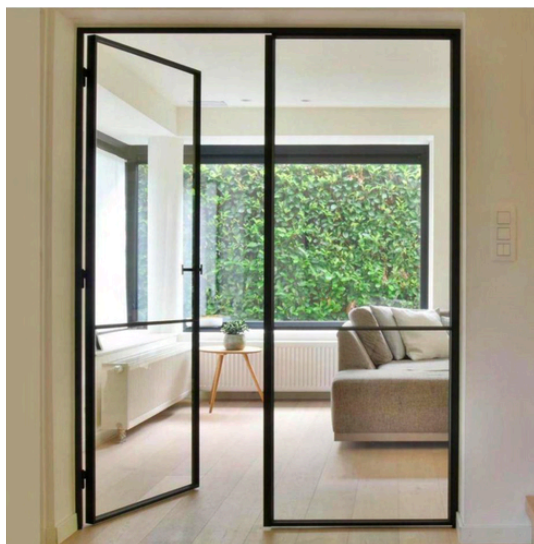
Alu-Thickness: 1.4mm 1.6mm 1.8mm 2.0mm & 2.5mm

Glass Type: Tempered glass, single or double

Glass Thickness: 5mm, 6mm, 8mm & 10mm

Accessories: Included

Color: Ral powder coat or anodized



Water  
Tightness



Heat  
Insulation



Prevent  
Mist



Air  
Tightness



Sound  
performance



Wind Load  
Resistance





# SERIES THERMAL BREAK CASEMENT DOOR 65

The casement door has various opening modes, diversified styles and shapes, convenient installation, etc. It has long use period, good sealing good thermal insulation and dust proof performance. It's suitable for all kinds of high, medium and low grade decoration.

## PRODUCT CONFIGURATION

Frame Material: 6063-T5 Aluminium

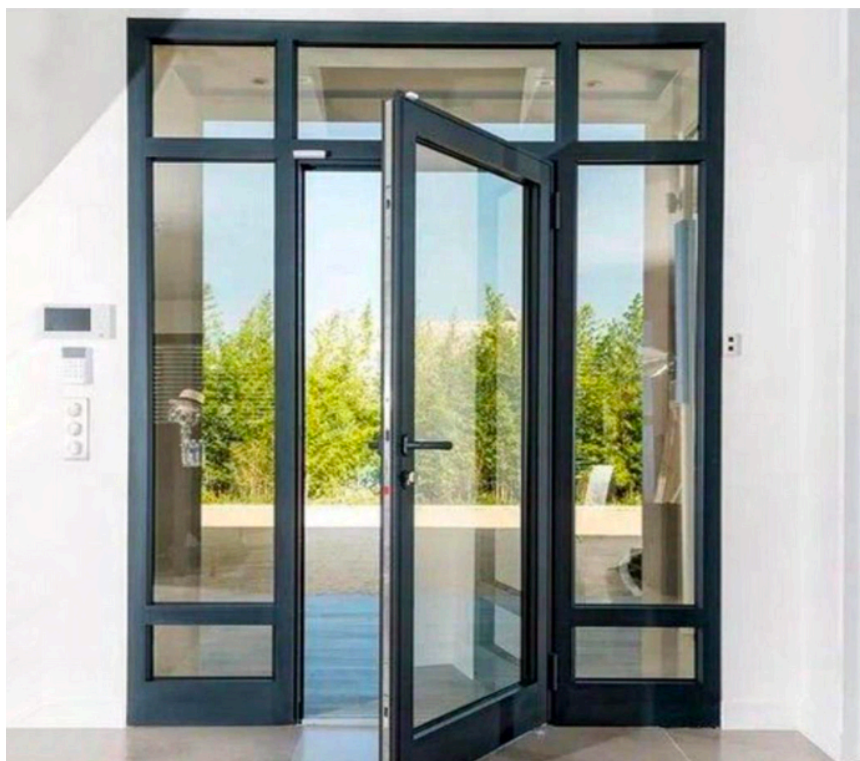
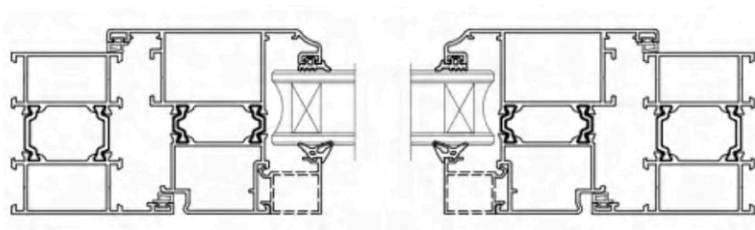
Alu-Thickness: 1.4mm 1.6mm 1.8mm 2.0mm & 2.5mm

Glass Type: Tempered glass, single or double

Glass Thickness: 5mm, 6mm, 8mm & 10mm

Accessories: Included

Color: Ral powder coat or anodized



Accessories:



# SERIES THERMAL BREAK LIFT SLIDING DOOR 146

The sliding door can almost meet the designing needs of any consumer because of glass's reprocessing, baking paint, sand blasting, toughening, special-shaped processing and other characteristics. The sliding door is personalized, fashionable artistic and solid.

## PRODUCT CONFIGURATION

Frame Material: 6063-T5 Aluminium

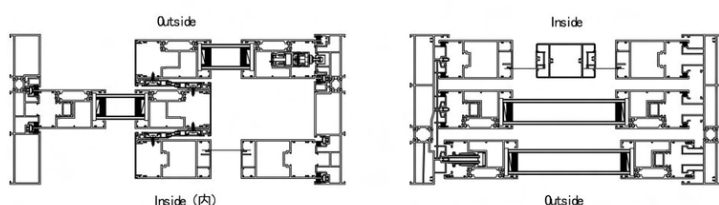
Alu-Thickness: 1.4mm 1.6mm 1.8mm 2.0mm & 2.5mm

Glass Type: Tempered glass, single or double

Glass Thickness: 5mm, 6mm, 8mm & 10mm

Accessories: Included

Color: Ral powder coat or anodized



Accessories:



Water  
Tightness



Heat  
Insulation



Prevent  
Mist



Air  
Tightness



Sound  
performance



Wind Load  
Resistance





# SERIES SLIM FRAME THERMAL BREAK SLIDING DOOR 184

The sliding door can almost meet the designing needs of any consumer because of glass's reprocessing, baking paint, sand blasting, toughening, special-shaped processing and other characteristics. The sliding door is personalized, fashionable artistic and solid.



## PRODUCT CONFIGURATION

Frame Material: 6063-T5 Aluminium

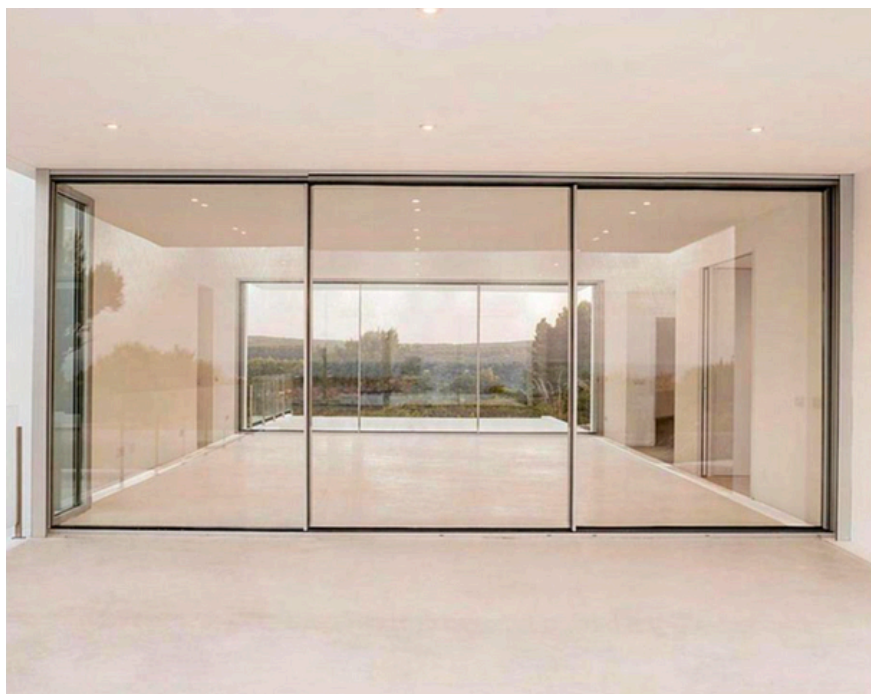
Alu-Thickness: 1.4mm 1.6mm 1.8mm 2.0mm & 2.5mm

Glass Type: Tempered glass, single or double

Glass Thickness: 5mm, 6mm, 8mm & 10mm

Accessories: Included

Color: Ral powder coat or anodized



Accessories:



Water  
Tightness



Heat  
Insulation



Prevent  
Mist



Air  
Tightness



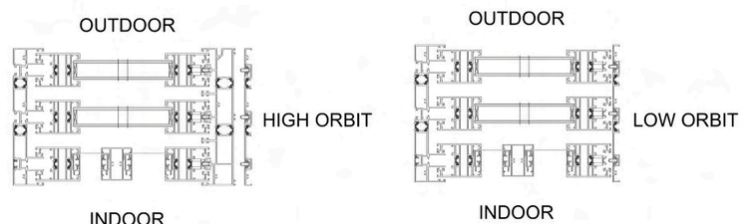
Sound  
performance



Wind Load  
Resistance

# SERIES HEAVY DUTY SLIDING DOOR 135

The sliding door can almost meet the designing needs of any consumer because of glass's reprocessing, baking paint, sand blasting, toughening, special-shaped processing and other characteristics. The sliding door is personalized, fashionable artistic and solid.



## PRODUCT CONFIGURATION

Frame Material: 6063-T5 Aluminium

Alu-Thickness: 1.4mm 1.6mm 1.8mm 2.0mm & 2.5mm

Glass Type: Tempered glass, single or double

Glass Thickness: 5mm, 6mm, 8mm & 10mm

Accessories: Included

Color: Ral powder coat or anodized



Accessories:



Water  
Tightness



Heat  
Insulation



Prevent  
Mist



Air  
Tightness



Sound  
performance



Wind Load  
Resistance





# SERIES THERMAL BREAK FOLDING DOOR 65

Folding doors have thermal insulation, heat insulation, fire and flame retardant, noise reduction and sound insulation.

## PRODUCT CONFIGURATION

Frame Material: 6063-T5 Aluminium

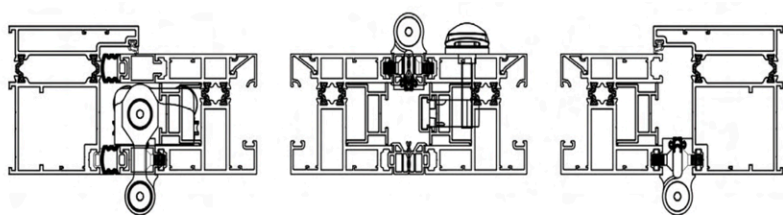
Alu-Thickness: 1.4mm 1.6mm 1.8mm 2.0mm & 2.5mm

Glass Type: Tempered glass, single or double

Glass Thickness: 5mm, 6mm, 8mm & 10mm

Accessories: Included

Color: Ral powder coat or anodized



Accessories:



Water  
Tightness



Heat  
Insulation



Prevent  
Mist



Air  
Tightness



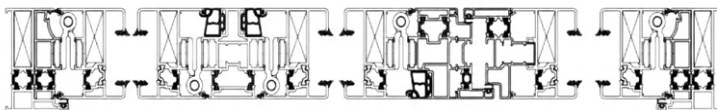
Sound  
performance



Wind Load  
Resistance

# SERIES THERMAL BREAK FOLDING DOOR 68

Folding doors have thermal insulation, heat insulation, Fire and flame retardant, noise reduction and sound insulation.



## PRODUCT CONFIGURATION

Frame Material: 6063-T5 Aluminium

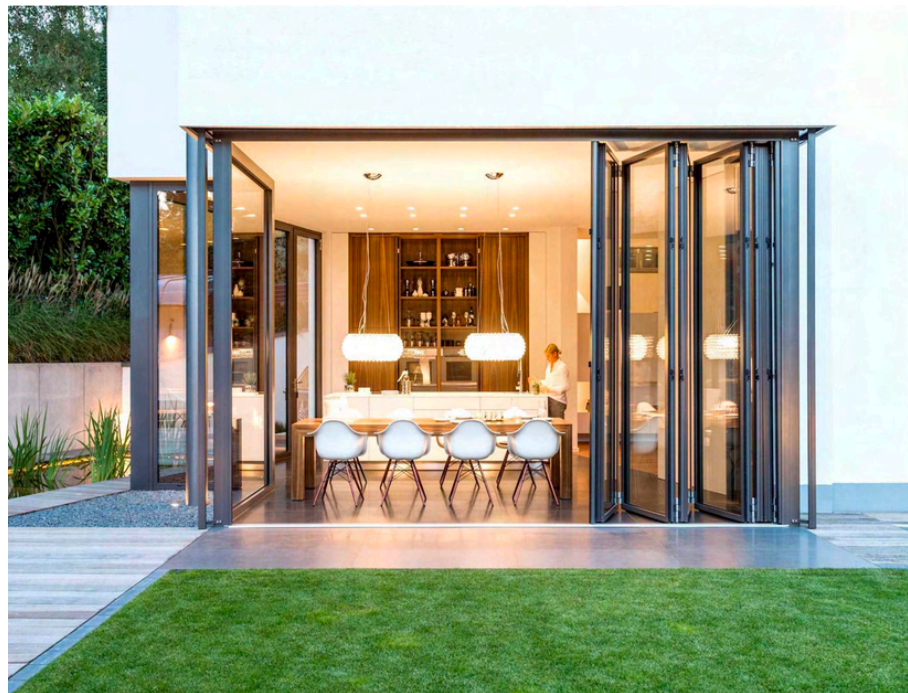
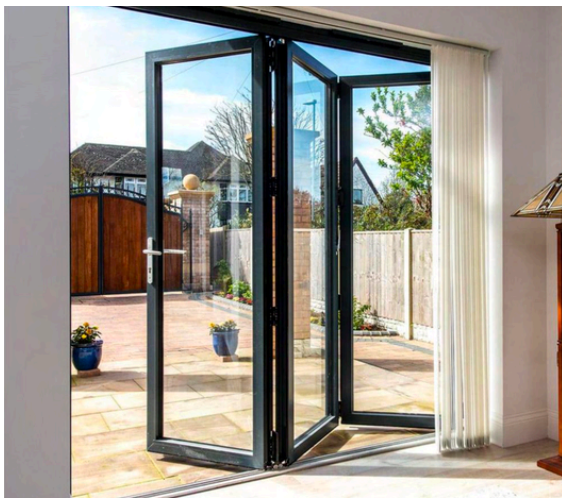
Alu-Thickness: 1.4mm 1.6mm 1.8mm 2.0mm & 2.5mm

Glass Type: Tempered glass, single or double

Glass Thickness: 5mm, 6mm, 8mm & 10mm

Accessories: Included

Color: Ral powder coat or anodized



Accessories:



Water  
Tightness



Heat  
Insulation



Prevent  
Mist



Air  
Tightness



Sound  
performance



Wind Load  
Resistance





# TINTED GLASS

Tinted glazings retain their transparency from the inside, although the brightness of the outward view is reduced and the color is changed. The most common colors are neutral gray, bronze, and blue-green, which do not greatly alter the perceived color of the view and tend to blend well with other architectural colors.

## BENEFITS:

### **Reduces heat in your home**

Harmful UV rays can damage furnishings as well as significantly increase the temperature of a room, making them unpleasant to spend time in. Window tinting can counteract this, reducing heat by up to 80%, meaning your home will be more comfortable to relax in during the summer months. And, you won't have to worry about furniture or flooring fading under the sun's harsh rays as the glass tinting offers UV protection.



### **Energy efficient**

Not only does tinted glass help stop your home from overheating during the summer, but it is also an effective solution in the colder months. This is because the tinted material can act as a layer of insulation, helping to keep warm air inside. As a result of this, it makes your property more energy efficient and you'll potentially receive lower bills.

## SAFETY:

### **Improved security**

Applying tinting to your windows can increase their security. The material used is extremely durable, meaning it's harder for intruders to penetrate. As well as this, it also makes it harder to see inside, so opportunistic thieves won't be able to see valuables in your home.

### **Extra privacy**

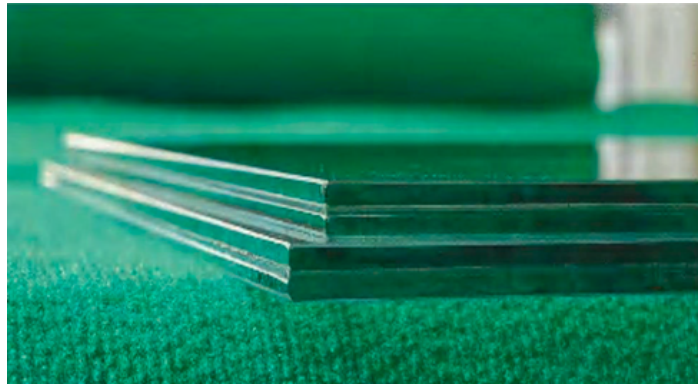
As mentioned above, tinted windows make it more difficult to see inside a property. As well as this being a great security feature, it also provides the occupants with additional privacy. This is particularly beneficial if your lounge or living space looks out onto the street.

It's also a great feature if you work from home and would like some privacy in your home office.

# LAMINATED GLASS

Laminated glass consists of a tough plastic interlayer made of polyvinyl butyral (PVB) bonded between two panes of glass under heat and pressure. Once sealed, the glass sandwich behaves as a single unit and looks like normal glass. Laminated glass provides durability, high-performance, and multifunctional benefits while preserving aesthetic appearance.

Laminated glass may crack under pressure, but tends to remain integral, adhering to the inter layer.



## BENEFITS:

### Noise Reduction

Laminated glass has superior soundproofing capabilities compared to ordinary glass. The plastic film absorbs sound vibrations and reduces the transmission of noise from the outside, resulting in improved sound insulation.

### UV Protection

Laminated glass offers protection from the sun's ultraviolet (UV) rays. The PVB film blocks some of the harmful rays, reducing the fading of furniture, flooring, and interior items when exposed to direct sunlight.

### Customization

Laminated glass offers various types of PVB films, allowing for adaptation to different needs and preferences. These include color films, mirror effect films, and protective films against heat, light, or external noise.

## SAFETY:

### Safety for Users

Laminated glass provides improved impact resistance. In the event of the glass breaking, the shards remain stuck to the plastic film, reducing the risk of injury.

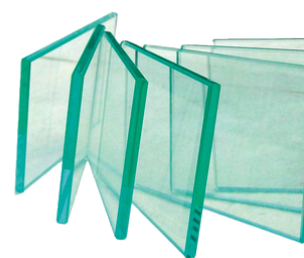
### Accumulated Resistance to Break-In Attempts

Laminated glass is more difficult to break than ordinary glass, making it "intrusion resistant." For example, a specific type of laminated glass called "burglar-proof" glass, composed of two 4mm glasses joined by 6 PVB films, can take a thief more than 6 minutes to overcome.



# TEMPERED GLASS

Tempered or toughened glass is a type of safety glass processed by controlled thermal or chemical treatments to increase its strength compared with normal glass. Tempering puts the outer surfaces into compression and the inner surfaces into tension. Such stresses causes the glass, when broken, to crumble into small granular chunks instead of splintering into jagged shards as plate glass (aka: annealed glass) creates. The granular chunks are less likely to cause injury.



## BENEFITS:

### **Tensile Strength**

Tempered glass is approximately 4x stronger than annealed glass, or "ordinary" glass. Tempered glass gets its strength from the thermal tempering process used to manufacture tempered glass. During the quenching step (a high-pressure cooling procedure), the outer surface of the glass goes into compression. Glass in compression is about 5x less breakable than glass in tension. The end result – tempered glass that can withstand direct blows, powerful winds, and minor explosions.

### **Heat Resistant**

Tempered glass can withstand uneven and high temperatures due to amazing edge strength.

### **Scratch-Resistant**

The thermal process that makes tempered glass so strong also makes it scratch-resistant and preserves the clarity and transparency of the glass. This is one reason car windows, phone screens, and glass doors are made of tempered glass.

### **Versatile**

Tempered glass is available in a variety of different designs and patterns, making it perfect for use wherever glass is needed.

## SAFETY:

### **Strength**

Tempered glass is designed for safety. In the event that it does encounter a blow large enough to shatter it, tempered glass breaks into small granules instead of sharp shards.

# BUILT IN BLINDS

Insulating glass built-in shutter doors and windows are composed of double-layer tempered glass and shutters. The curtains built into the double glass can be controlled manually by a magnetic device or remotely controlled by a built-in motor. The light entering the room can be controlled by adjusting the angle of the venetian blinds. There is no doubt that louver doors and windows are ideal products to solve the problem of shading. Insulating glass built-in shutter doors and windows not only save space, but also have heat preservation and noise prevention functions, and at the same time give buildings and interiors a novel vision. Regardless of summer or winter, as long as you adjust the angle of the shutters, you can achieve shading or lighting effects, which greatly reduces the energy consumption of air conditioner

## BENEFITS:

### Convenient

Instead of fussing with and adjusting the cords on traditional blinds, you can use a magnetic slider on built-in blinds that makes opening and closing them incredibly simple. If you choose the motorized version, you can avoid manual operation entirely.

### Low Maintenance

Built-in blinds that are behind properly sealed glass don't accumulate dust and other allergens the way that traditional blinds do, so you won't have to worry about cleaning or dusting them.

### Attractive

If you want to instantly elevate your home's interior style, installing built-in blinds will do the trick. Built-in blinds have a much cleaner and more sophisticated look than their corded counterparts, which have an outdated and messy appearance.

### Durable

Over time, traditional corded blinds become brittle and often end up breaking, especially when young children and pets are involved. This causes many homeowners to have to replace their blinds every couple of years. Since built-in blinds are located behind the glass, they are safe from regular wear and tear and will likely last as long as your windows do. In fact, some even come with 10- or 20-year warranties.



## SAFETY:

According to the watch group known as [Parents for Window Blind Safety](#), there have been about 600 cases of cord-related incidents—namely strangulation—among children and pets in the last 30 years. But since built-in blinds are cordless, they eliminate this risk, giving you priceless peace of mind when your pets and young children are at home.





# INSULATED DOUBLE GLAZING

## BENEFITS:

### Energy cost savings

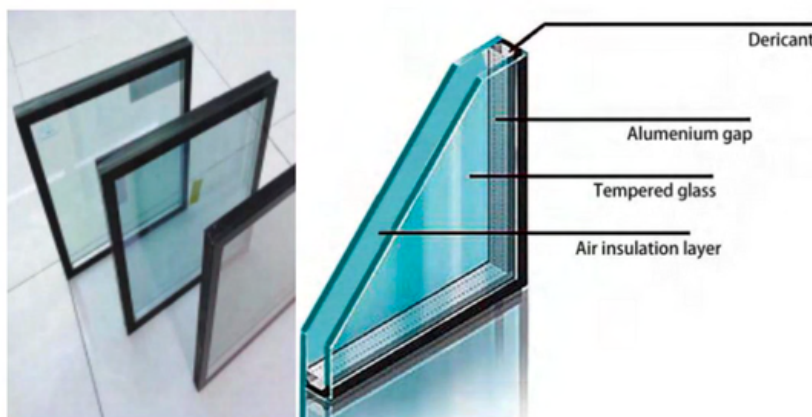
The airtight construction of double glazed windows creates thermal insulation. This reduces the flow of incoming and outgoing heat. Less energy is used to heat up or cool down the space, resulting in lower energy bills.

### Limited condensation

Moisture on a warm surface forms droplets of water, which freezes into frost. This can make the room feel colder, which forces the people inside to adjust the heat. The air between the two panes of glass, plus the airtight seal, prevents condensation from building up by blocking moisture in cold weather.

### Sound insulation

Double glazed windows improve sound insulation by creating a barrier between the home and the environment outside.



## SAFETY:

### Tougher to break

Double glazed windows are tougher to break than single pane windows, so they increase the security of the home. Because they're sealed tighter than other windows, it is also difficult to force them open from the outside.

### Reduce damage to furnishings

Double glazed windows can reduce the amount of sun and heat entering the room. This can help reduce sun damage to your paintings, furniture, carpet, and other objects around the home.

# RETRACTABLE SCREEN DOOR

## BENEFITS:

- Keep pests and bugs away
- See-through mesh design allows you to enjoy your view
- Facilitate better airflow and cross ventilation in the house
- Keep the house cool, reducing the usage of cooling devices
- Offer the versatility of installation on single, double, and sliding doors
- Magnet-based doors allow easy passage even when hands are full



Single



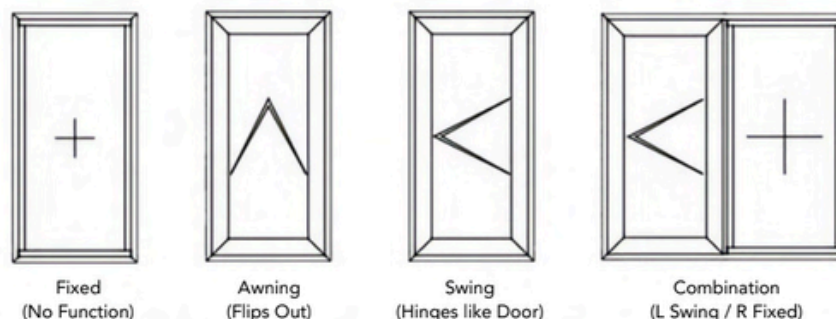
Sliding



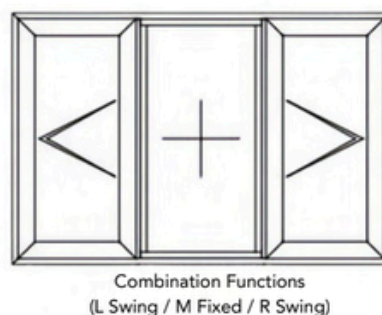
Double



# WINDOW CONFIGURATIONS



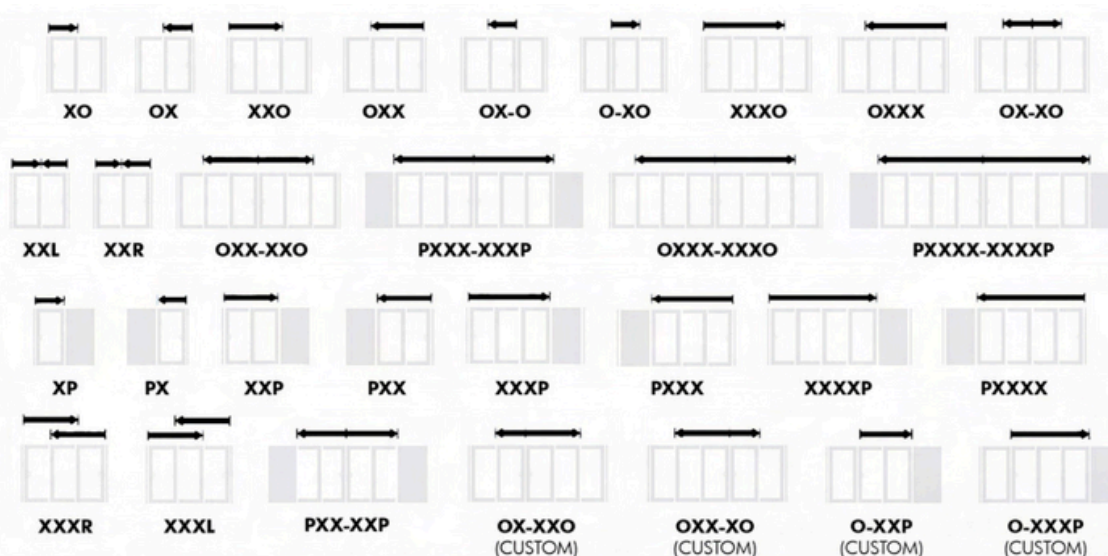
Your windows can comprise of any number of panels and can be made up of any type of opener (left, right, or top), dummy sash or fixed frame. To make the decision slightly easier and for a bit of guidance, we have displayed some of the most popular configurations we manufacture.



**KEY:**  
 + Fixed Frame or Dummy Sash  
 ^ Top Hinge  
 < Left Hinge  
 > Right Hinge

# SLIDER CONFIGURATIONS

Your slider can comprise of any number of panels and can be made up of the following:



**KEY:**  
 X Operating Panel  
 P Pocket  
 O Fixed Panel  
 L/R Left & Right



# RAVEN

CUSTOM GLASS & DOORS



AS2047



MIAMI DADE



NFRC



CSA



CE

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