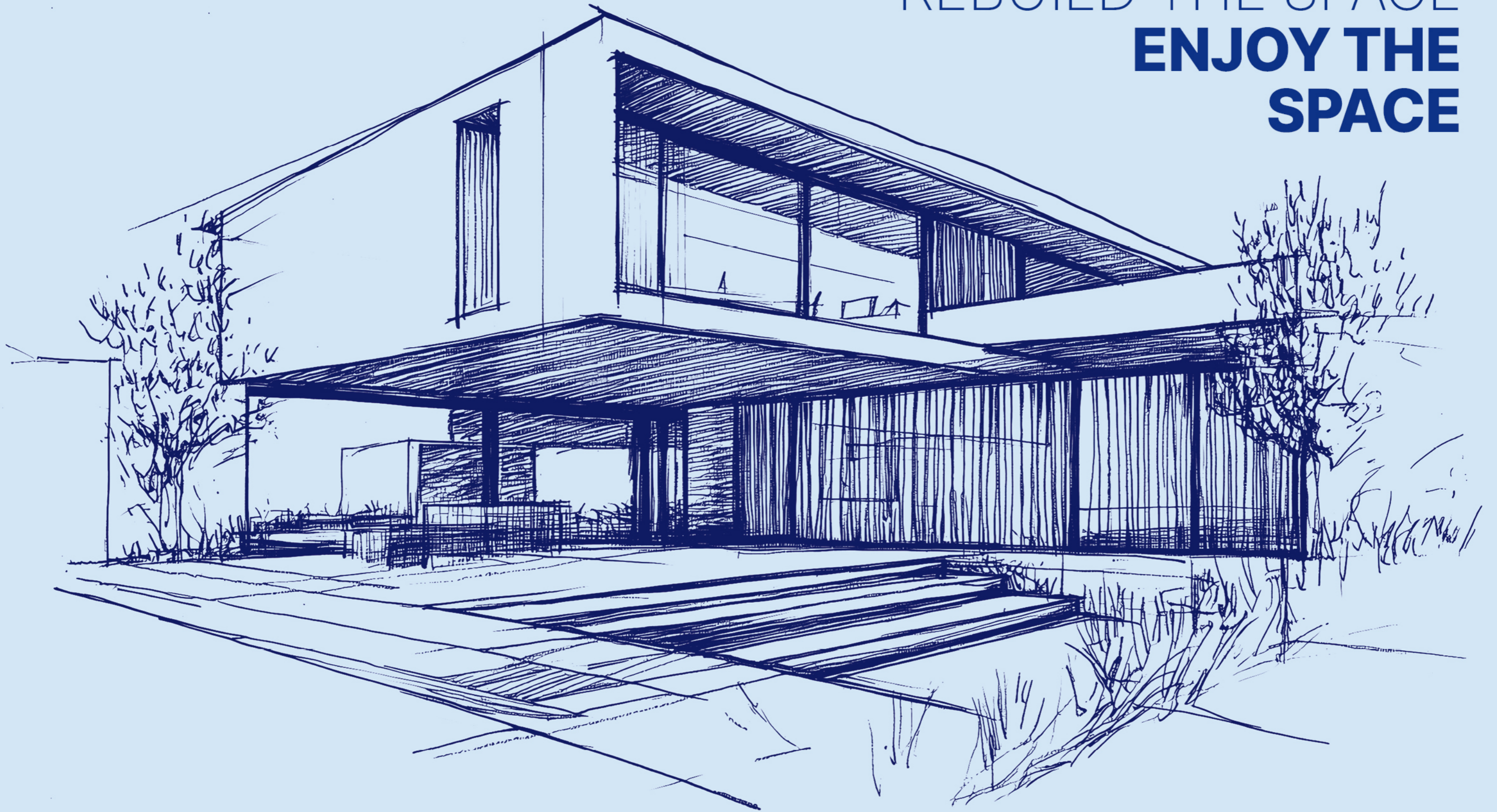


ECKERT

GLOBAL

REBUILD THE SPACE
**ENJOY THE
SPACE**



SURFACE TREATMENT PROCESS FOR ALUMINUM PROFILES



POWDER SPRAYING PROCESS

Powder spraying is a process in which powder coating is sprayed onto the surface of pre-treated aluminum profiles using an electrostatic spray gun. Under the action of static electricity, the powder coating will be evenly adsorbed on the surface of the aluminum profiles. Then, through high-temperature baking, the powder coating will melt, level out, and solidify to form a firm coating film.

Excellent corrosion resistance

The coating formed by powder spraying has excellent corrosion resistance. It can effectively block the erosion of substances such as air, moisture, acids and alkalis on the metal substrate, extending the service life of metal products. It is especially suitable for outdoor environments or working places with strong corrosiveness.

Good wear resistance

The coating has high hardness and toughness and is not easily scratched or worn. It can maintain the integrity and smoothness of the surface. Even under frequent use or friction, it can retain a good appearance and performance for a long time.

Excellent weather resistance

It has excellent weather resistance and can withstand the impacts of natural environmental factors such as ultraviolet rays, high and low temperatures, wind, and rain. It is not prone to problems like fading, powdering, or cracking and can maintain stable performance under different climatic conditions.

FLUOROCARBON SPRAYING PROCESS

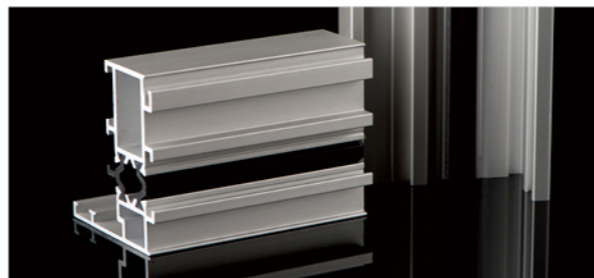
Powder spraying is a process in which powder coating is sprayed onto the surface of pre-treated aluminum profiles using an electrostatic spray gun. Under the action of static electricity, the powder coating will be evenly adsorbed on the surface of the aluminum profiles. Then, through high-temperature baking, the powder coating will melt, level out, and solidify to form a firm coating film.

Ultra weather resistance

It has extremely excellent weather resistance, and can resist the erosion of natural environmental factors such as ultraviolet rays, acid rain, and salt spray for a long time. It is not easy to fade, powder or peel off, and its service life can reach more than 20 years.

Corrosion resistance

It has a strong tolerance to chemical substances such as acids, alkalis, and salts, and can effectively protect aluminum profiles from corrosion in harsh chemical environments.



Self-cleaning property

The surface of the fluorocarbon coating has a low surface energy, making it not easy to adsorb dust and dirt. After being washed by rainwater, it can keep the surface clean.

Good decorative property

It can provide a rich variety of color options and high-gloss surface effects, meeting the needs of various architectural and design requirements, and has excellent decorative and aesthetic properties.

PORCELAIN ELECTROPHORETIC COATING PROCESS

Based on the basic principle of the electrophoretic coating process, that is, charged particles move directionally under the action of a direct current electric field. The aluminum profiles are immersed in a single-component matte transparent electrophoretic coating composed of acrylic resin, amino resin, neutralizer, and additives. Direct current is applied between the aluminum profiles and the corresponding cathode end. Through the change of the electric field, anionic particles move towards the aluminum profiles and accumulate on them. The active groups undergo cross-linking and curing during high-temperature baking, forming a uniform, dense, and firm polymer coating film on the surface of the aluminum profiles.

Delicate texture

The surface of the treated aluminum profiles is as delicate and smooth as porcelain, with a soft and comfortable touch. It can significantly reduce the metallic luster of the material, achieving an excellent matte effect. The light is soft, and the visual effect is delicate and noble.

Rich in colors

It can be processed to present a variety of colors, which can match various decorative styles.

Has strong corrosion resistance

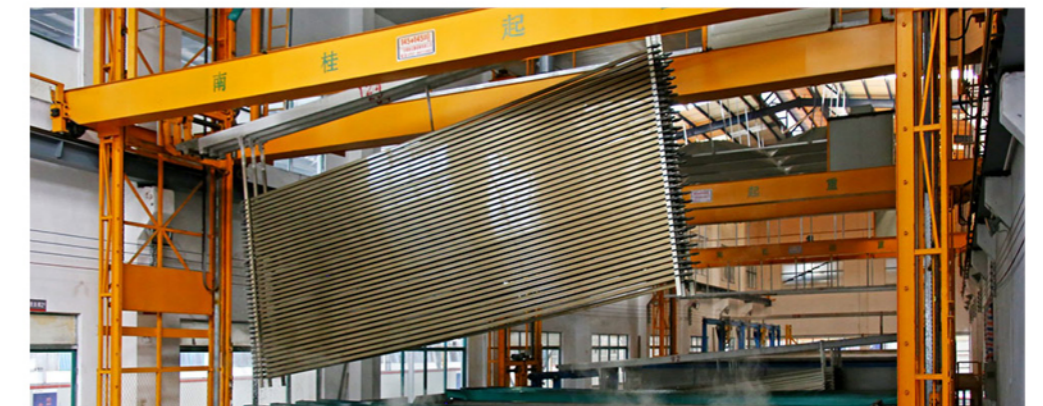
The oxide film of the porcelain electrophoretic aluminum profiles is approximately 10-12 μ m thick. Coupled with the porcelain electrophoretic paint film which is about 10-12 μ m thick, the total thickness of the composite film is around 20-24 μ m. The alkali resistance test can last for more than 300 hours. It has excellent weather resistance, and can effectively resist the corrosion of substances such as cement mortar, acid and alkali mist, and salt spray. It also has extremely strong resistance to humidity.

Good self-cleaning property

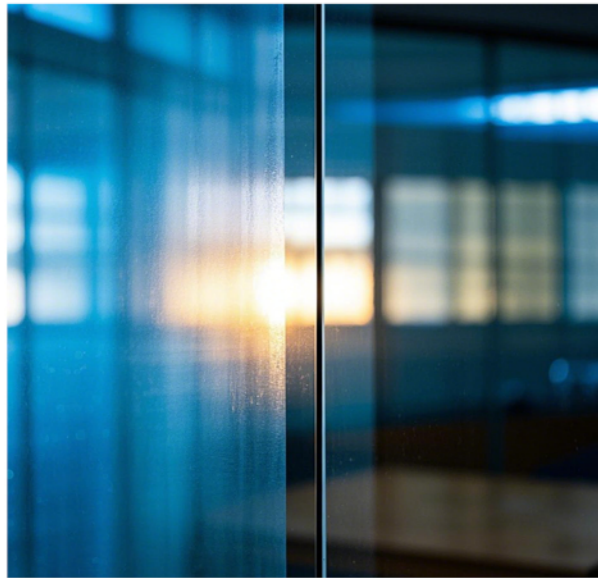
The surface is smooth and delicate, making it difficult for dust and other debris to adhere. Water marks, stains, or fingerprints can be easily removed with a gentle wipe, leaving no traces behind, and it is easy to clean and maintain in the later stage.

Excellent environmental protection performance

It adopts pure nickel salt and is a single-salt process with high stability and environmental protection. There is no need to use toxic and harmful substances during the use process, reducing the risk of environmental pollution.



CHARACTERISTICS OF GLASS CRAFTSMANSHIP



LOW-E ENERGY-SAVING GLASS

LOW-E energy-saving glass, also known as low-emissivity coated glass, is a kind of coated glass. By using the method of vacuum magnetron sputtering on the substrate of high-quality float glass, one to multiple layers of special metal, metal oxide or metal nitride films are coated, thus forming a coated glass with different optical and thermal performance characteristics and various visual effects. Among them, there is one or more layers of special silver-based film layers (this is the main difference between low-emissivity coated glass and solar control coated glass), which can effectively reduce the absorption of solar energy or control energy loss, and greatly reduce the heat transfer coefficient of the glass. It can block and reflect 50% to 80% of the heat transferred by clear glass, especially the far-infrared thermal radiation, while allowing most of the visible light to pass through.

INSULATED GLASS

Insulating glass is a glass assembly formed by separating a certain width of space with an aluminum spacer frame filled with a high-efficiency molecular sieve adsorbent inside between two or more pieces of glass, and sealing and bonding the edges with a high-strength sealant. According to requirements, common transparent glass, tinted glass, heat-reflective coated glass, LOW-E energy-saving glass, laminated glass, tempered glass, heat-bent glass, etc. can be selected as the base glass for insulating glass, or various different combinations can be made.

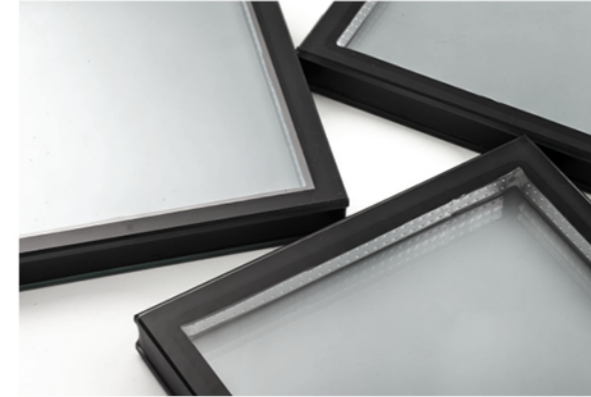
The sealed gas inside the insulating glass, under the action of the high-efficiency molecular sieve adsorbent filled in the aluminum frame, becomes dry air with a very low thermal conductivity, thus forming a barrier for heat insulation and sound insulation. If an inert gas is filled in this space, the heat insulation and sound insulation performance of the insulating glass product can be further improved.

Unique Process

Edge Film Removal of LOW-E Glass: The edge film removal of LOW-E glass is automatically completed on the production line, avoiding the consequences of corrosion due to the contact between the film layer and external media or poor adhesion caused by the contact between the film layer and the sealant.

Continuous Pipe Bending of Rectangular Insulating Aluminum Frame: Small-sized aluminum frames have only one straight joint (except for special-shaped or large-sized ones). The molecular sieve is automatically filled in a pneumatic manner, ensuring better sealing performance and anti-leakage performance, and a lower dew point of the insulating glass.

Automatic Filling of Inert Gas: The filling rate is as high as over 80%, ensuring better heat insulation and sound insulation performance.



LAMINATED GLASS

Laminated glass is a composite glass product. It consists of two or more pieces of glass with one or more layers of organic polymer interlayer films sandwiched between them. After being processed through special processes of high-temperature pre-pressing (or vacuuming) and high-temperature and high-pressure treatment, the glass and the interlayer films are permanently bonded into one body.

Commonly used interlayer films for laminated glass include PVB, SGP, EVA, PU, etc.

Excellent Performance of the Product

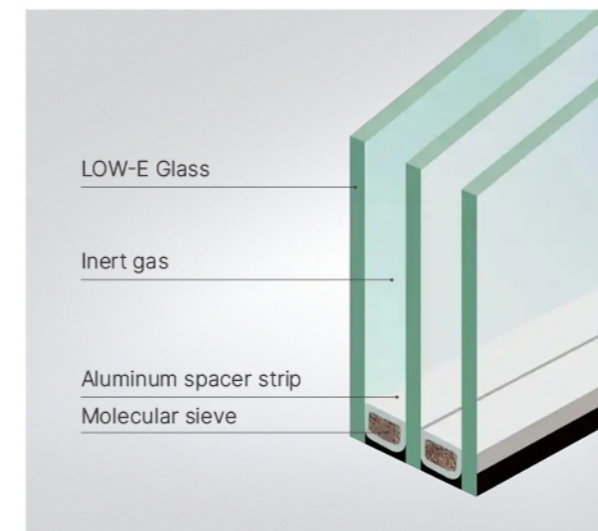
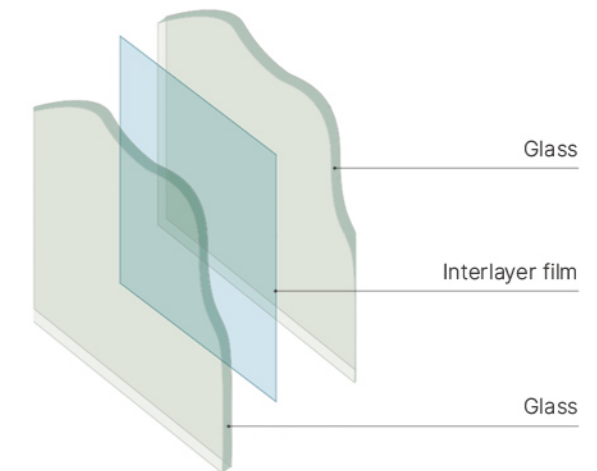
Optical Performance: Depending on the performance of the original glass sheets used in the assembled insulating glass, the visible light transmittance generally ranges from 47% to 80%, and the reflectance is between 10% and 42%.

Thermal Performance: It can effectively reduce the heat transfer coefficient. If an inert gas is filled, the U-value of the heat transfer coefficient can be further decreased.

Sound Insulation Performance: Generally, insulating glass can reduce noise by more than about 30 decibels. After filling with an inert gas, the sound insulation effect of the insulating glass can be further improved.

Anti-frosting Performance: According to the national standard, the dew point of insulating glass must be lower than -40°C . The dew point of Zhongqing Xuanhe's insulating glass products is lower than -65°C , ensuring that the air layer in the insulating glass is absolutely dry and there is no condensation.

Sealing Performance: The aluminum spacer frame is formed at one time by using the automatic pipe bending technology, minimizing the joints. And the double-channel sealing with butyl rubber and polysulfide rubber or structural adhesive is adopted to ensure the sealing performance of the insulating glass and extend its service life.



Main Types

According to the different melting points of the interlayer films, it can be divided into: low-temperature laminated glass, high-temperature laminated glass, and insulating laminated glass;

According to the different materials sandwiched in the middle, it can be divided into many types such as paper-sandwiched, cloth-sandwiched, plant-sandwiched, wire-sandwiched, silk-sandwiched, and metal wire-sandwiched;

According to the different bonding methods between the interlayers, it can be divided into: wet-process laminated glass, dry-process laminated glass, and insulating laminated glass.

Material Characteristics

Even if the glass breaks, the fragments will be adhered to the film, and the surface of the broken glass will still remain neat and smooth. This effectively prevents the occurrence of incidents such as fragments stabbing people and penetrating and falling, ensuring personal safety.

CERTIFIED ACCORDING TO THE AS2047 STANDARD IN AUSTRALIA

The doors and windows of our company have obtained the N6 certification, the highest grade under the Australian AS2047 standard. This milestone not only demonstrates our own exceptional strength but also marks a new breakthrough in the international quality track of our doors and windows.

WINDOW RATINGS FOR HOUSING

| Window rating | Serviceability design windpressure, Pa |
|---------------|--|
| N1 | 500 |
| N2 | 700 |
| N3 | 1000 |
| N4 | 1500 |
| N5 | 2200 |
| N6 | 3000 |

NOTE: For cyclonic regions, i.e. regions C and D, the design wind pressure shall be in accordance with AS 1170.2.



WATER PENETRATION RESISTANCE TEST PRESSURES

| Window rating | Water penetration resistance test pressure, Pa (see Note) | |
|---------------|---|---------------------------|
| | All windows except adjustable louvres | Adjustable louvre windows |
| N1 | 150 | 150 |
| N2 | 150 | 150 |
| N3,C1 | 150 | 150 |
| N4,C2 | 200 | 200 |
| N5,C3 | 300 | 200 |
| N6,C4 | 450 | 200 |

NOTE: Water penetration resistance test pressures are arbitrarily chosen, considering the method of test and shall be in positive direction only.

ULTIMATE STRENGTH TEST PRESSURES

| Window rating | Ultimate strength test pressure, Pa |
|---------------|-------------------------------------|
| N1 | 700 |
| N2 | 1000 |
| N3 | 1500 |
| N4 | 2300 |
| N5 | 3300 |
| N6 | 4000 |

NOTE: For cyclonic regions, i.e. regions C and D, the design wind shall be in accordance with pressure AS 1170.2.

ENGINEERING CASES



Mareterra monaco complex



France chez nous office



Australia preston house



Australia hidden home



Switzerland Bellerivestrasse 36 Zurich Office Building



Redmond senior community center, redmond, washington state, the united states of america



Portugal housein melides



Portugal restelo mgr house



Thailand I71 house



Thailand villa amanzi

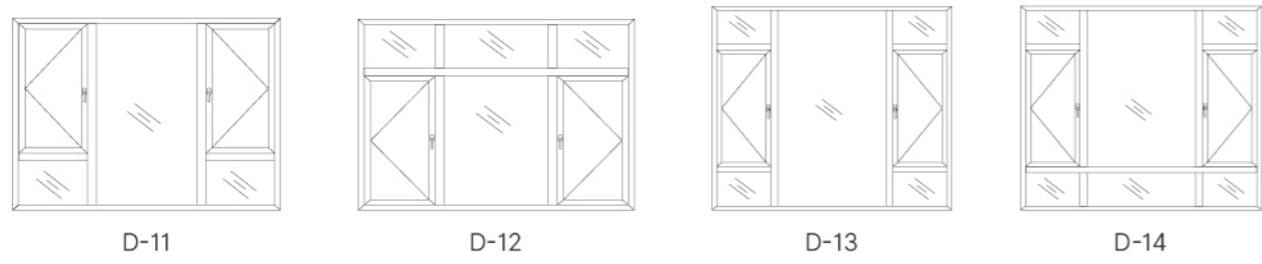
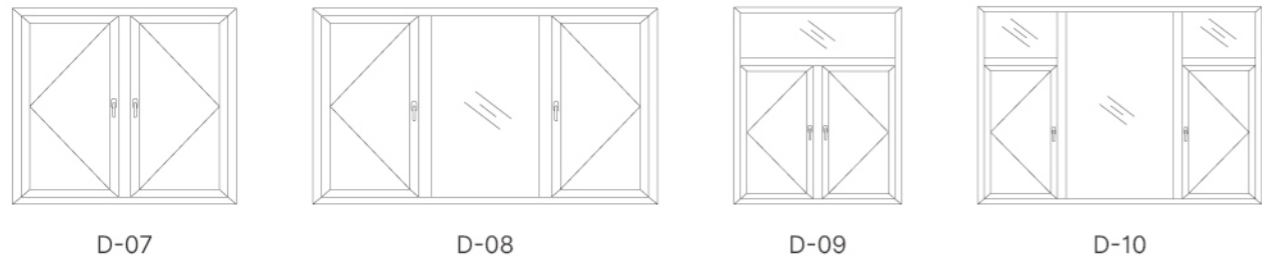
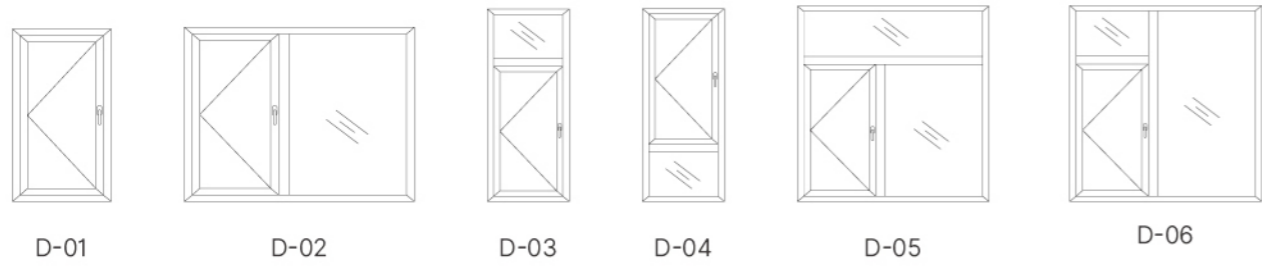


Thailand I71 house

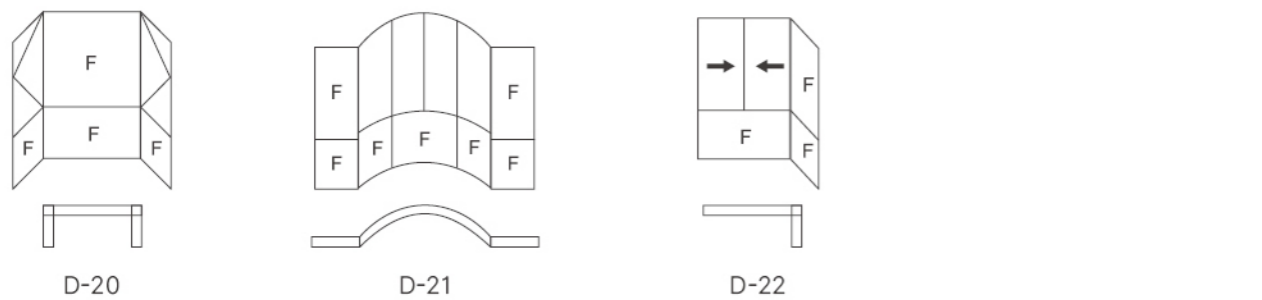
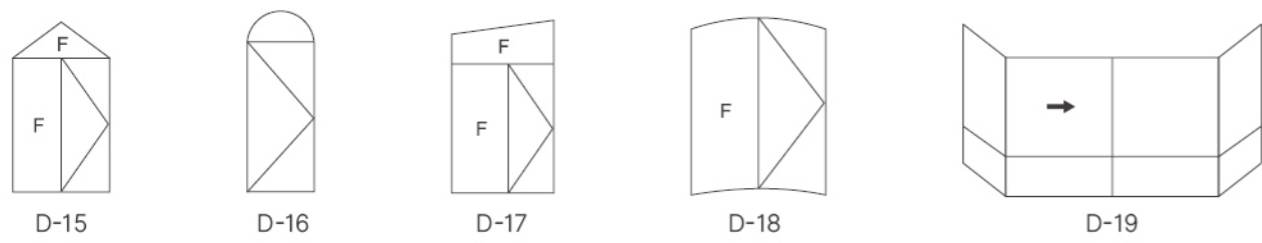


Brazil JRHouse

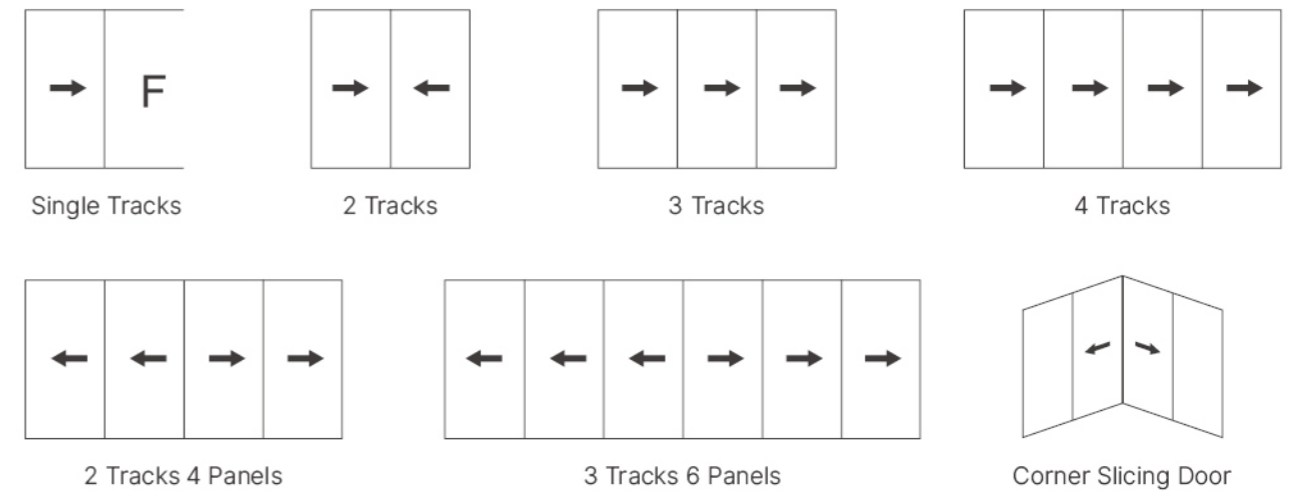
BASIC WINDOW TYPE



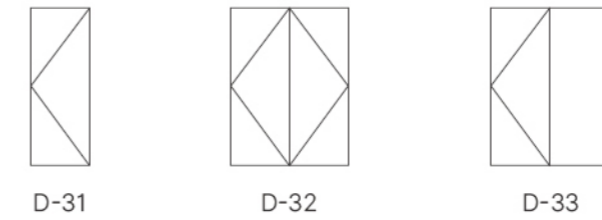
SPECIAL WINDOW TYPE



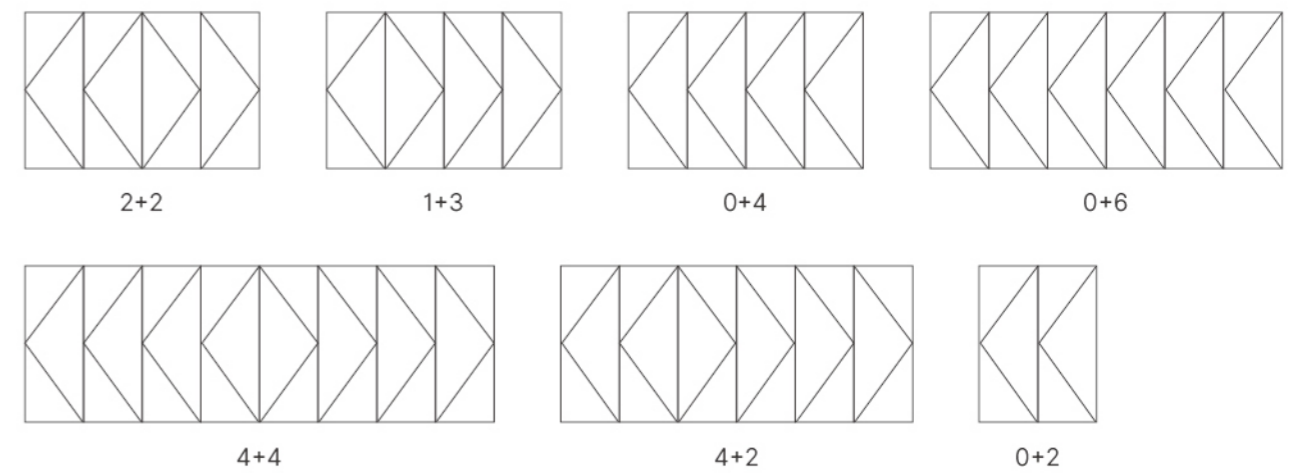
SLIDING WINDOW /SLIDING DOOR



SWING DOOR



FOLDING DOOR



HARDWARE ACCESSORIES



DE-201
(HOPO)



DE-202
(HOPPE)



DE-203
(HOPPE)



DE-204



DE-205



DE-206
(wehag)



DE-207
(wehag)



DE-208
(wehag)



DE-209
(wehag)



DE-210
(wehag)



DE-211
(wehag)



DE-212
(wehag)



DE-213
(wehag)



DE-214
(wehag)



DE-215
(wehag)



DE-216
(wehag)



DE-217
(BOGO)



DE-218



DE-219



DE-222



DE-223



DE-224



DE-225



DE-226

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DE90A


SINGLE INWARD-OPENING SYSTEM WINDOW


PRODUCT PARAMETERS


The wall occupied by the frame: 90mm
 The thickness of the glass sash: 90mm
 The wall thickness of the profile: 1.8mm
 Glass configuration: 5mm+20A+5mm
 Hardware system: German Wehag hardware / Hardware independently developed by DEEZON


PERFORMANCE PARAMETERS

 Thermal insulation performance $W/(m^2 \cdot k)$
 $K < 1.7$

 Sound insulation performance (db)
 $RW + C_{tr} > 45$

 Water tightness performance (Pa)
 600Pa

 Airtightness performance
 Negative pressure level 8
 Positive pressure level 8

 Wind pressure resistance performance
 Anti-deformation: 1600Pa/Ultimate: 4000Pa

OPENING MODE



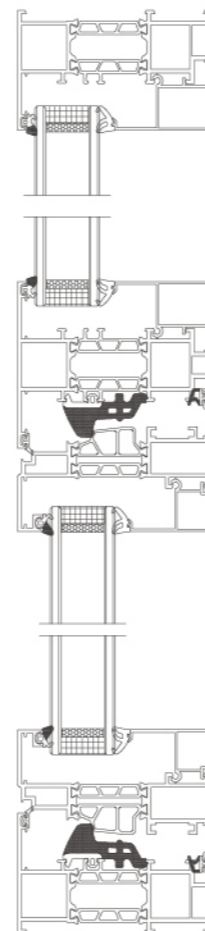
Inward opening



Tilt inward

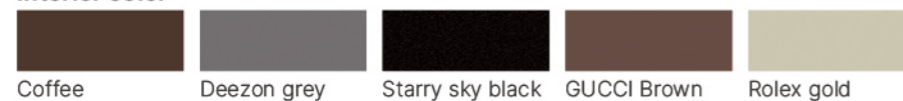


Inward opening and tilting inward



PRODUCT COLOR

Interior color



Exterior color



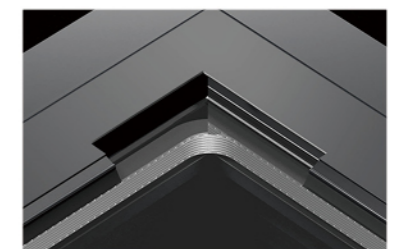
German wehag hardware

It adopts high-quality materials and advanced manufacturing processes, ensuring the reliable quality of the products.



Integrally bent sealing strip

The sealing strip is integrally formed and connected seamlessly, which greatly enhances the sealing effect.



Hollow bending process

It is bent as a whole, leaving only one joint, which makes the sealing performance of the doors and windows better.



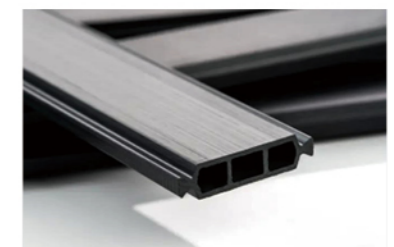
Inward opening and inward tilting

By rotating and twisting the hardware handle, two opening modes of "inward opening" and "inward tilting" can be achieved.



Floor drain type drainage

There are no grooves on the outside of the entire window. It has rapid drainage and prevents backflow.



Multi-cavity heat insulation strip

The multi-cavity structure increases the air chambers, making the thermal insulation performance better.






DE90B

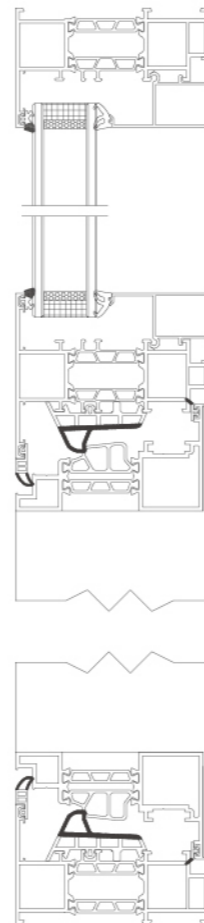
MICRO-VENTILATION SYSTEM WINDOW

PRODUCT PARAMETERS

The frame body occupies 90mm of the wall.
 The thickness of the glass sash: 90mm
 Micro-ventilation fan: Fixed width is 195mm / Thickness is 90mm.
 The wall thickness of the section material is 1.8mm.
 Glass configuration: 5mm + 20A + 5mm
 Hardware system: German Wehag hardware / Hardware independently developed by DEEZON

PERFORMANCE PARAMETERS

-  Thermal insulation performance $W/(m^2 \cdot k)$
K<1.7
-  Sound insulation performance (db)
RW+Ctr>45
-  Water tightness performance (Pa)
600Pa
-  Airtightness performance
Negative pressure level 8
Positive pressure level 8
-  Wind pressure resistance performance
Anti-deformation: 1600Pa/Ulimate: 4000Pa



OPENING MODE



Inward opening

PRODUCT COLOR

Interior color



Exterior color



HAVE A BROAD VIEW

The micro-ventilation system window ensures the ventilation needs while providing an extremely large viewing area, allowing you to have a panoramic view of the natural beauty.






DE90C

SINGLE INWARD-OPENING DOOR
OUTWARD-OPENING DOOR

PRODUCT PARAMETERS

The wall occupied by the frame: 90mm
 The thickness of the glass sash: 90mm
 The wall thickness of the profile: 1.8mm
 Glass configuration: 5mm+20A+5mm
 Hardware system: German Wehag Hardware / Hardware independently developed by DEEZON

PERFORMANCE PARAMETERS

-  Thermal insulation performance $W/(m^2 \cdot k)$
K=3.5
-  Sound insulation performance (db)
RW+Ctr>30
-  Water tightness performance (Pa)
500Pa
-  Airtightness performance
Negative pressure level 5
Positive pressure level 5
-  Wind pressure resistance performance
Anti-deformation: 1200Pa/Ultimate: 3000Pa

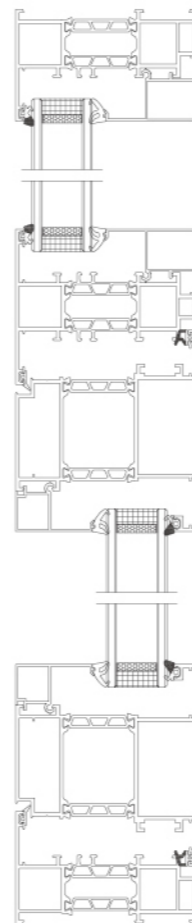
OPENING MODE



Inward opening

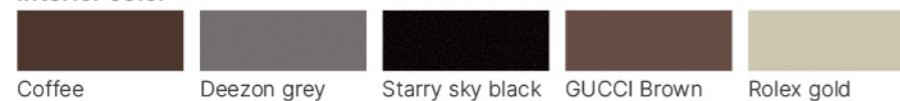


Outward opening



PRODUCT COLOR

Interior color



Exterior color



**SIMPLE AND
AESTHETICALLY
PLEASING**


DE109


DUAL INWARD-OPENING SYSTEM WINDOW


PRODUCT PARAMETERS


The wall occupied by the frame: 109mm
 The thickness of the glass sash: 80mm
 The thickness of the screen sash: 26mm
 The wall thickness of the profile: 1.8mm
 Glass configuration: 5mm+20A+5mm
 Hardware system: German Wehag Hardware / Hardware independently developed by DEEZON


PERFORMANCE PARAMETERS

 Thermal insulation performance $W/(m^2 \cdot k)$
 $K < 2.0$

 Sound insulation performance (db)
 $RW + C_{tr} > 35$

 Water tightness performance (Pa)
 500Pa

 Airtightness performance
 Negative pressure level 8
 Positive pressure level 8

 Wind pressure resistance performance
 Anti-deformation: 1400Pa/Ulimate: 3000Pa

OPENING MODE



Inward opening



Tilt inward



Inward opening and tilting inward

PRODUCT COLOR

Interior color

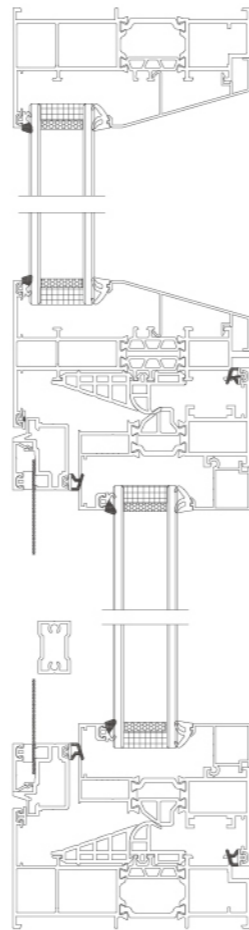


Coffee Deezon grey

Exterior color



Coffee Deezon grey



Germany hoppe handle

Imported from Germany, it has better anti-theft performance.



Multi-point lock

Multiple locking points are distributed at different positions of the doors and windows, which improves the anti-theft performance of the doors and windows.



High-definition screen mesh

The high-definition mesh screen window is lighter and thinner, with good light transmittance and air permeability.



Strip lock for screen window

It adopts high-strength materials and a precise lock core structure, with a hidden design, and has excellent anti-theft performance.



Rounded corner design

The protective rounded corner design of the window sash effectively reduces the risk of injury caused by collisions, safeguarding the safety of family members.



Integrally bent aluminum strip

The overall bending process has higher strength, better stability, and will not deform.


DE110


OUTWARD-OPENING SYSTEM WINDOW


PRODUCT PARAMETERS


The wall occupied by the frame: 110mm
 The thickness of the glass sash: 46.5mm
 The thickness of the screen sash: 30mm
 The wall thickness of the profile: 1.8mm
 Glass configuration: 5mm+20A+5mm
 Hardware system: Customized hardware by DEEZON


PERFORMANCE PARAMETERS

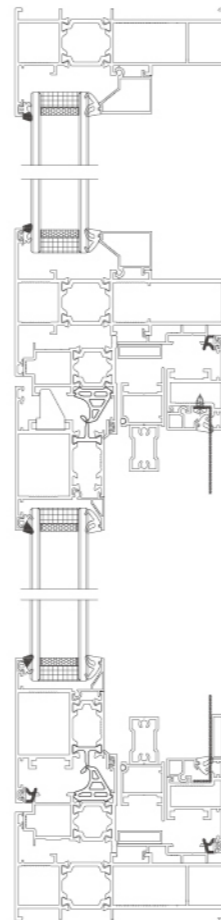
 Thermal insulation performance $W/(m^2 \cdot k)$
 $K < 2.5$

 Sound insulation performance (db)
 $RW + C_{tr} > 30$

 Water tightness performance (Pa)
 450Pa

 Airtightness performance
 Negative pressure level 8
 Positive pressure level 8

 Wind pressure resistance performance
 Anti-deformation: 1200Pa/Ultimate: 3000Pa



OPENING MODE



Outward opening



Outward opening and downward tilting

PRODUCT COLOR

Interior color



Exterior color



DEEZON handle without base

It is simple and aesthetically pleasing, with a high-quality stainless steel locking device built-in, which is sturdy and durable.



DEEZON hinge

High-quality steel is carefully selected and goes through a special heat treatment process, endowing it with extremely high strength and extending the service life of the window.



Floor drain type drainage

It has smooth drainage, prevents rainwater backflow, and can effectively block mosquitoes, insects, dust, etc. from entering the room.






DE113A

OUTWARD-OPENING SYSTEM WINDOW

PRODUCT PARAMETERS

The wall occupied by the frame: 113mm
 The width of the glass sash: 57.5mm
 The thickness of the screen sash: 30mm
 The wall thickness of the profile: 1.8mm
 Glass configuration: 5mm+20A+5mm
 Hardware system: German Wehag hardware

PERFORMANCE PARAMETERS

| | | |
|--|---|---|
|  Thermal insulation performance $W/(m^2 \cdot k)$ K≤2.5 |  Sound insulation performance (db) RW+Ctr>30 |  Water tightness performance (Pa) 450Pa |
|  Airtightness performance Negative pressure level 8 Positive pressure level 8 |  Wind pressure resistance performance Anti-deformation: 1200Pa/Ultimate: 3000Pa | |

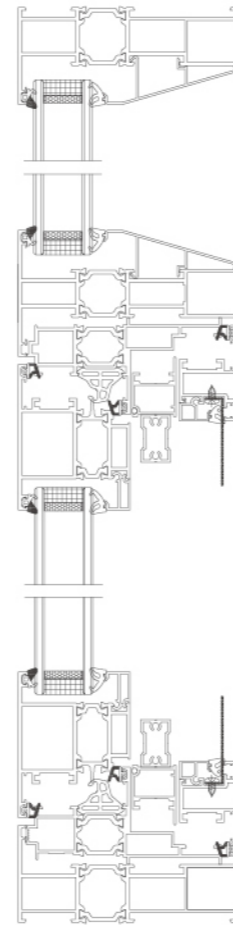
OPENING MODE



Outward opening



Outward opening and downward tilting



PRODUCT COLOR

Interior color



Exterior color



The handle of german wehag

It is a standard setter in the innovation field of door and window hardware, and also a world-recognized first-tier brand in door and window hardware.



German wehag hinges

Made of stainless steel, it has good load-bearing capacity and excellent wind pressure resistance.



High-definition insect screen

It is made of 304 stainless steel, which is not easy to rust. The mesh holes are tiny, effectively preventing mosquitoes and insects from entering the room.



Integrally bent aluminum strip

The integrally bent process makes the aluminum strip form a whole, which has high strength, better stability and sealing performance.



Floor drain type drainage

It has smooth drainage, prevents rainwater backflow, and can effectively block mosquitoes, insects, dust, etc. from entering the room.



Mushroom head lock point

When locked, the entire mushroom head can be wrapped around the lock seat, which has strong anti-prying ability and excellent anti-theft performance.






DE113B

DUAL INWARD-OPENING SYSTEM WINDOW

PRODUCT PARAMETERS

The wall occupied by the frame: 113mm
 The width of the glass sash: 83mm
 The thickness of the screen sash: 26mm
 The wall thickness of the profile: 1.8mm
 Glass configuration: 5mm+20A+5mm
 Hardware system: German Wehag hardware / Deezon hardware

PERFORMANCE PARAMETERS

| | | |
|--|---|---|
|  Thermal insulation performance $W/(m^2 \cdot k)$ $K \leq 2.0$ |  Sound insulation performance (db) $RW + C_{tr} > 35$ |  Water tightness performance (Pa) 500Pa |
|  Airtightness performance Negative pressure level 8 Positive pressure level 8 |  Wind pressure resistance performance Anti-deformation: 1400Pa/Ultimate: 3000Pa | |

OPENING MODE



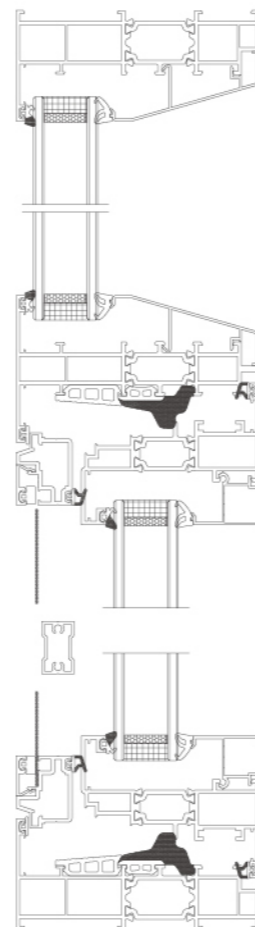
Inward opening



Tilt inward



Inward opening and tilting inward

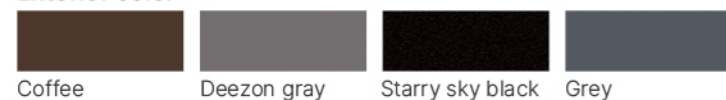


PRODUCT COLOR

Interior color



Exterior color



The handle of german wehag

It has good corrosion resistance and wear resistance, stable product performance, and a long service life.



German wehag hinges

Made of stainless steel, it has good load-bearing capacity and excellent wind pressure resistance.



Rounded corner design

The protective rounded corner design of the window sash effectively reduces the risk of injury caused by collisions, safeguarding the safety of family members.



Integrally bent aluminum strip

The integrally bent process makes the aluminum strip form a whole, which has high strength, better stability and sealing performance.



Floor drain type drainage

It has smooth drainage, prevents rainwater backflow, and can effectively block mosquitoes, insects, dust, etc. from entering the room.



Integrally bent aluminum strip

The integrally bent process makes the aluminum strip form a whole, which has high strength, better stability and sealing performance.






DE113C

INWARD-OPENING/OUTWARD-OPENING DOOR

PRODUCT PARAMETERS

The wall occupied by the frame: 113mm
 The width of the glass sash: 66.7mm
 The wall thickness of the profile: 1.8mm
 Glass configuration: 5mm+20A+5mm
 Hardware system: German Wehag hardware / Hardware independently developed by DEEZON

PERFORMANCE PARAMETERS

-  Thermal insulation performance $W/(m^2 \cdot k)$
K=3.0
-  Sound insulation performance (db)
RW+Ctr>30
-  Water tightness performance (Pa)
450Pa
-  Airtightness performance
Negative pressure level 6
Positive pressure level 6
-  Wind pressure resistance performance
Anti-deformation: 1200Pa/Ulimate: 3000Pa

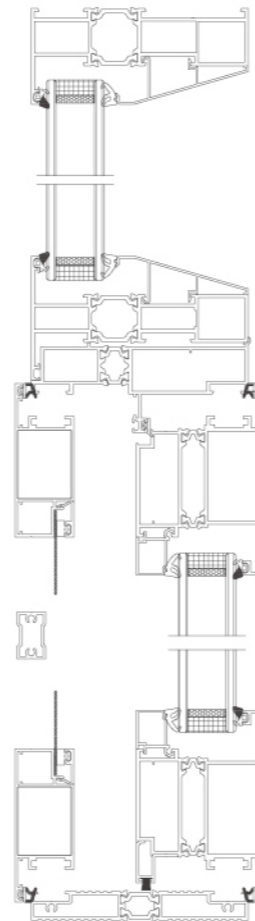
OPENING MODE



Inward opening

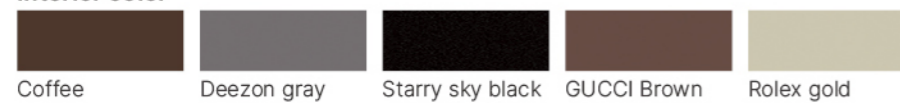


Outward opening



PRODUCT COLOR

Interior color



Exterior color



**HIGH-QUALITY
HARDWARE**


DE120A


DUAL INWARD-OPENING SYSTEM WINDOW


PRODUCT PARAMETERS


The wall occupied by the frame: 120mm
 The thickness of the glass sash: 90mm
 The thickness of the screen sash: 26mm
 The wall thickness of the profile: 1.8mm
 Glass configuration: 5mm+20A+5mm
 Hardware system: German Wehag hardware / Deezon hardware


PERFORMANCE PARAMETERS

 Thermal insulation performance $W/(m^2 \cdot k)$
 $K < 2.0$

 Sound insulation performance (db)
 $RW + C_{tr} > 35$

 Water tightness performance (Pa)
 500Pa

 Airtightness performance
 Negative pressure level 8
 Positive pressure level 8

 Wind pressure resistance performance
 Anti-deformation: 1400Pa/Ultimate: 3000Pa

OPENING MODE



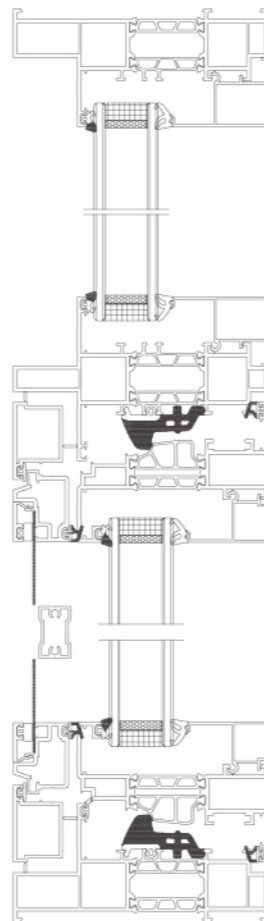
Inward opening



Tilt inward

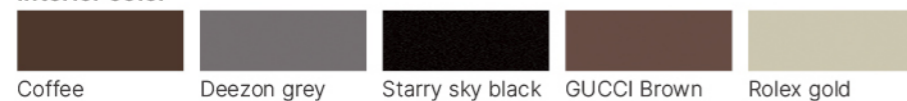


Inward opening and tilting inward



PRODUCT COLOR

Interior color



Exterior color



The handle of german wehag

It has good corrosion resistance and wear resistance, stable product performance, and a long service life.



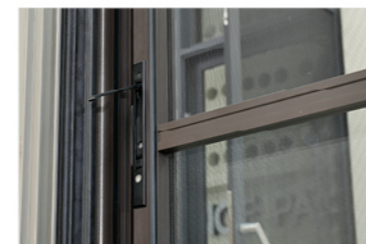
German wehag hinges

Made of stainless steel, it has good load-bearing capacity and excellent wind pressure resistance.



Glass protective fence

It has a simple and elegant appearance design, is sturdy and durable, and can effectively resist external impacts. It can not only prevent children from falling but also will not affect the indoor lighting.



Strip lock for insect screen window

It adopts high-strength materials and a precise lock core structure, with a hidden design, and has excellent anti-theft performance.



High-definition insect screen

It is made of 304 stainless steel, which is not easy to rust. The mesh holes are tiny, effectively preventing mosquitoes and insects from entering the room.



Integrally bent aluminum strip

The integrally bent process makes the aluminum strip form a whole, which has high strength, better stability and sealing performance.



ACHIEVE ANOTHER KIND OF RICHNESS WITH SIMPLICITY



SMOOTH APPEARANCE AND SIMPLE DESIGN

Combining the advantages of innovative design, it integrates powerful technical performance and aesthetic appeal, bringing the greatest degree of transparency and aesthetic beauty to buildings.








DE120B

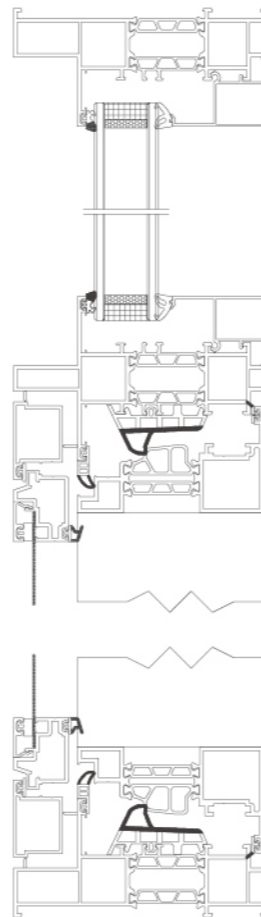
MICRO-VENTILATION SYSTEM WINDOW

PRODUCT PARAMETERS

The wall occupied by the frame: 120mm
 The thickness of the glass sash: 90mm
 The wall thickness of the profile: 1.8mm
 Glass configuration: 5mm+20A+5mm
 Hardware system: German Wehag hardware / The hardware independently developed by DEEZON

PERFORMANCE PARAMETERS

| | | |
|--|--|---|
|  Thermal insulation performance $W/(m^2 \cdot k)$ $K < 2.0$ |  Sound insulation performance (db) $RW + C_{tr} > 40$ |  Water tightness performance (Pa) 550Pa |
|  Airtightness performance Negative pressure level 8 Positive pressure level 8 |  Wind pressure resistance performance Anti-deformation: 1600Pa/Ulimate: 4000Pa | |



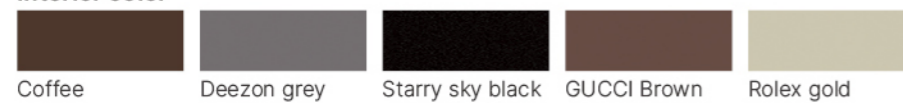
OPENING MODE



Inward opening

PRODUCT COLOR

Interior color



Exterior color



DESIGN OF THE MICRO-AIR DUCT
HEALTHIER AND SAFER






DE128A

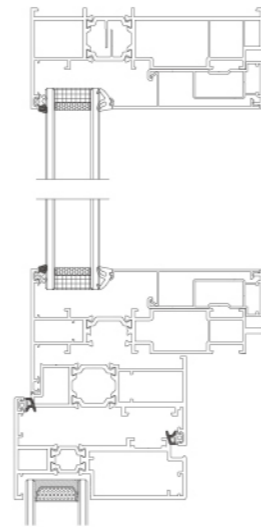
SLIDING WINDOW

PRODUCT PARAMETERS

The wall occupied by the frame: 128mm
 The thickness of the glass sash: 94.8mm
 The wall thickness of the profile: 1.8mm
 Glass configuration: 5mm+20A+5mm
 Hardware system: Smart home hardware

PERFORMANCE PARAMETERS

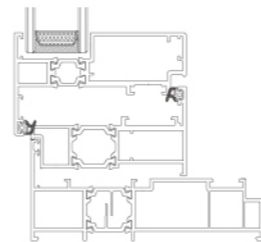
-  Thermal insulation performance $W/(m^2 \cdot k)$
 $K \leq 2.5$
-  Sound insulation performance (db)
 $RW + C_{tr} > 35$
-  Water tightness performance (Pa)
500Pa
-  Airtightness performance
 Negative pressure level 7
 Positive pressure level 7
-  Wind pressure resistance performance
 Anti-deformation: 1400Pa/Ultimate: 3000Pa



OPENING MODE



Push horizontally



PRODUCT COLOR

Interior color



Exterior color



Push-pull design

Just give it a gentle push, and the window can be fully opened, allowing the air to circulate freely.



High load-bearing hinge

The load-bearing capacity of a single set of hardware components reaches 150KG, which can effectively prevent safety issues such as the fall of people indoors.



Anti-pry lock point and lock seat

The advanced lock point technology can ensure the tight closing of doors and windows, achieving an excellent sealing effect.






DE150A

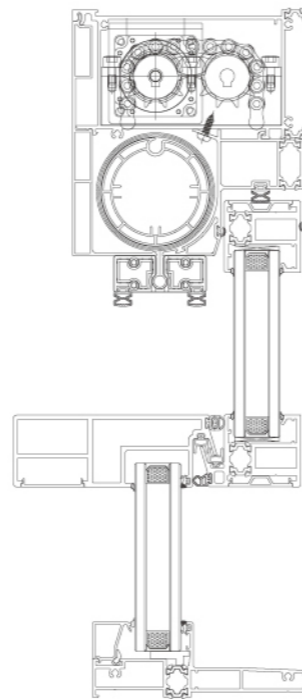
LIFTING WINDOW

PRODUCT PARAMETERS

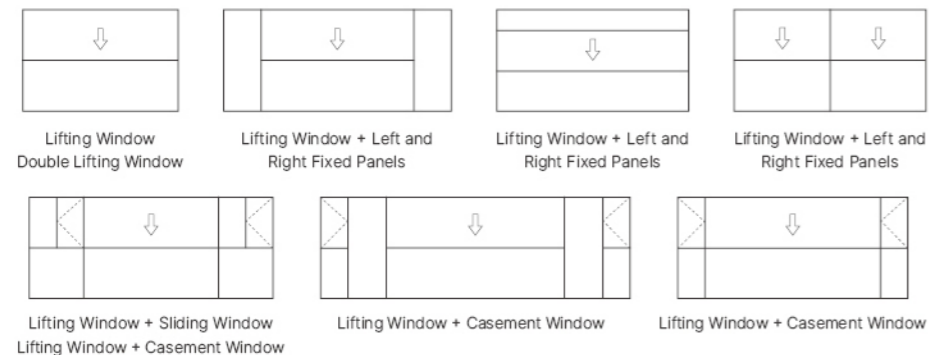
Frame: Width 150mm, wall thickness 2.0mm
 Visible surface of movable sash: 50mm, wall thickness 5.0mm
 Handrail surface: Visible surface 50mm, handrail width 143mm
 Standard configuration: Remote control / intelligent control panel / rain sensor / intelligent anti-pinch function / sunshade and windproof roller shutter
 Optional configuration: A. Voice control / remote control / backup power supply
 Note: Reinforced sashes shall be used for widths over 3600mm

PERFORMANCE PARAMETERS

| | | |
|--|--|---|
|  Thermal insulation performance $W/(m^2 \cdot k)$ K<2.0 |  Sound insulation performance (db) RW+Ctr>40 |  Water tightness performance (Pa) 550Pa |
|  Airtightness performance Negative pressure level 8 Positive pressure level 8 |  Wind pressure resistance performance Anti-deformation: 1400Pa/Ulimate: 3000Pa | |

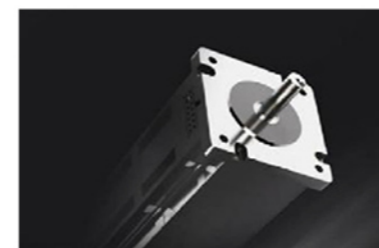


OPENING MODE



PRODUCT COLOR

| | | | | | | | |
|-----------------------|---|---|---|-----------------------|---|--|---|
| Interior color |  |  |  | Exterior color |  |  |  |
| | Coffee | Deezon grey | Starry sky black | | Coffee | Deezon grey | Starry sky black |



Motor System

- Beijing Times servo motor, 10-year quality guarantee
- Stable and noiseless operation up and down, free hovering, smooth and unobstructed
- Verified by market reputation, hardcore quality escorts life



Precision Reducer

- Adopts high-rigidity precision planetary gear reducers
- Meets high-load and high-torque output requirements
- Efficiently matches with servo motors to achieve 10,000 hours of uninterrupted transmission
- Precise positioning helps the entire window operate smoothly and noiselessly



Gearbox Chain

- Adopts high-precision carbon steel transmission double-row chains that closely mesh with internal gears
- Can withstand higher loads and torque
- Accurate average transmission ratio for more stable power transmission
- Wear-resistant and high-temperature resistant, free from elastic sliding and slippage, precisely controlling the lifting of the entire window



INTELLIGENT CONTROL FOR OPENING

There is no need to push or pull manually. The window can be easily opened and closed through a remote control or a switch, etc. It is equipped with an anti-pinch function. During the process of the window closing, if it encounters an obstacle, it will automatically stop or bounce back, effectively preventing safety accidents such as finger pinching from happening.






DE120C

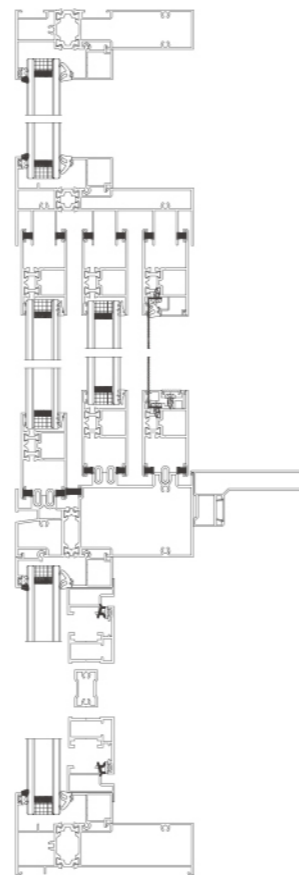
SLIDING WINDOW

PRODUCT PARAMETERS

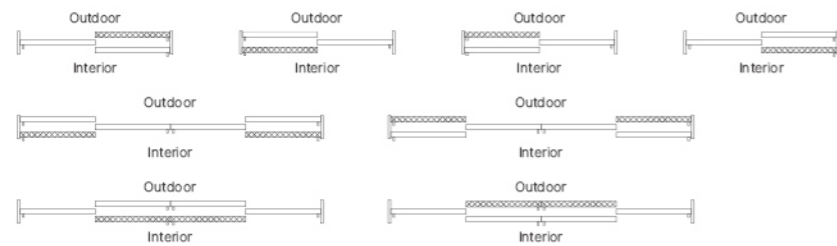
- The wall occupied by the frame: 120mm
- The thickness of the glass sash: 30mm
- The thickness of the screen sash: 30mm
- The wall thickness of the profile: 1.6mm
- Glass configuration: 5mm+12A+5mm
- Hardware system: DEEZON Customized Automatic Deadbolt Lock

PERFORMANCE PARAMETERS

-  Thermal insulation performance $W/(m^2 \cdot k)$
 $K \leq 4$
-  Sound insulation performance (db)
 $RW + C_{tr} > 20$
-  Water tightness performance (Pa)
300Pa
-  Airtightness performance
Negative pressure level 5
Positive pressure level 5
-  Wind pressure resistance performance
Anti-deformation: 800Pa/Ultimate: 2500Pa



OPENING MODE

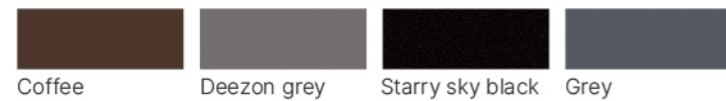


PRODUCT COLOR

Interior color



Exterior color



DEEZON single-bar lock

It has a simple and elegant appearance and can be well matched with the sliding windows in the modern minimalist style.



Stainless steel guide rail

It has high strength and a sturdy structure, and is capable of bearing large loads and impact forces.






DE120D

SIDE PRESSURE WINDOW

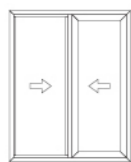
PRODUCT PARAMETERS

The wall occupied by the frame: 120mm
 The thickness of the glass sash: 55mm
 The wall thickness of the profile: 1.8mm
 Glass configuration: 5mm+20A+5mm
 Hardware system: Full set of STORO hardware

PERFORMANCE PARAMETERS

-  Thermal insulation performance $W/(m^2 \cdot k)$
K≤3
-  Sound insulation performance (db)
RW+Ctr>30
-  Water tightness performance (Pa)
450Pa
-  Airtightness performance
Negative pressure level 7
Positive pressure level 7
-  Wind pressure resistance performance
Anti-deformation: 1200Pa/Ulimate: 3000Pa

OPENING MODE



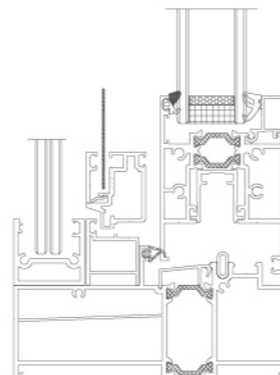
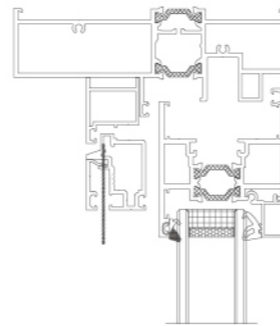
Slide open

PRODUCT COLOR

Interior color



Exterior color



Through side pressure transmission, the window sash fits closely with the window frame. Coupled with high-quality sealing rubber strips and a multi-point locking system, it achieves a 360° seamless seal, effectively isolating dust, noise, rainwater, and moisture.



The handle of german wehag

It is a standard setter in the innovation field of door and window hardware, and also a world-recognized first-tier brand in door and window hardware.



Glass guardrail

It adopts high-strength tempered glass, which has high impact resistance performance and can effectively prevent people and objects from falling.



High-definition insect screen

It is made of 304 stainless steel, which is not easy to rust. The mesh holes are tiny, effectively preventing mosquitoes and insects from entering the room.



NEW-TYPE LOAD-BEARING PULLEY HIGH-STRENGTH LOAD-BEARING

Adopting high-quality materials and advanced design techniques, it can bear a relatively large weight, and the load-bearing capacity of a single sash can reach up to 400 kilograms.








DE128B

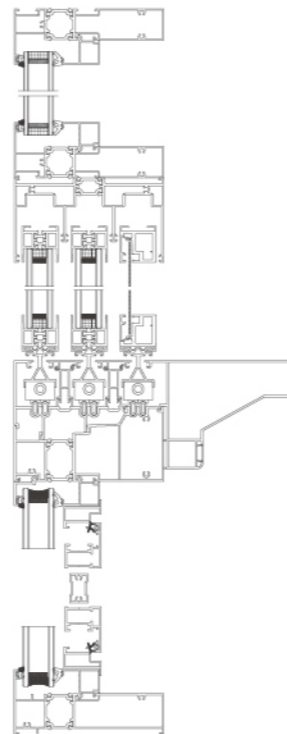
FLOATING SLIDING WINDOW

PRODUCT PARAMETERS

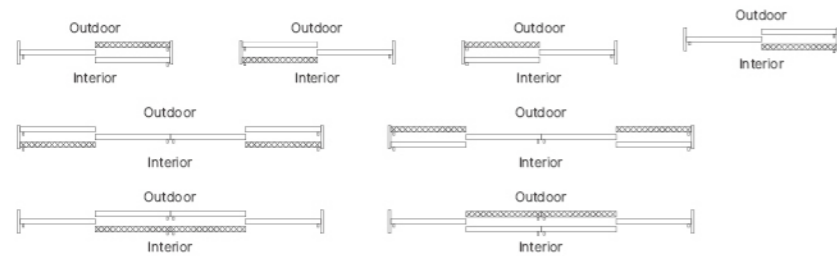
The wall occupied by the frame: 128mm
 The thickness of the glass sash: 30mm
 The thickness of the screen sash: 30mm
 The wall thickness of the profile: 1.8mm
 Glass configuration: 5mm+16A+5mm
 Hardware system: BOGO Automatic Deadbolt Lock

PERFORMANCE PARAMETERS







-  Thermal insulation performance $W/(m^2 \cdot k)$
 $K \leq 4$
-  Sound insulation performance (db)
 $RW+C_{tr} > 20$
-  Water tightness performance (Pa)
 $300Pa$
-  Airtightness performance
 Negative pressure level 5
 Positive pressure level 5
-  Wind pressure resistance performance
 Anti-deformation: 800Pa/Ultimate: 2500Pa



OPENING MODE



PRODUCT COLOR

- Interior color**
-  Coffee
 -  Deezon grey
 -  Starry sky black
- Exterior color**
-  Coffee
 -  Deezon grey
 -  Starry sky black



Fully flat hidden track

It has a simple appearance and is visually appealing. The opening and closing are smoother and quieter, enhancing the user experience.



Openable guardrail

When the guardrail is opened, it can be used as a clothes drying rack, maximizing the utilization rate of the space.



BOGO One-line Lock

It is simple and beautiful in appearance, and has excellent corrosion resistance.






DE100

DRIFT INTERNAL INVERTED WINDOW

PRODUCT PARAMETERS

The wall occupied by the frame: 100mm
 The thickness of the glass sash: 66mm
 The wall thickness of the profile: 1.6mm
 Glass configuration: 5mm+22A+5mm
 Hardware system: HOPO Hardware in Shenzhen

PERFORMANCE PARAMETERS

-  Thermal insulation performance $W/(m^2 \cdot k)$
 $K \leq 2.5$
-  Sound insulation performance (db)
 $RW + C_{tr} > 30$
-  Water tightness performance (Pa)
500Pa
-  Airtightness performance
 Negative pressure level 7
 Positive pressure level 7
-  Wind pressure resistance performance
 Anti-deformation: 1200Pa/Ulimate: 3000Pa

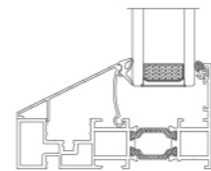
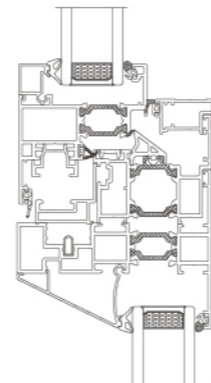
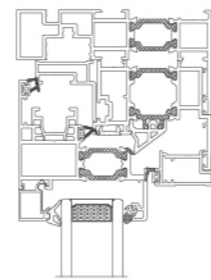
OPENING MODE



Translate horizontally



tilt inward



PRODUCT COLOR

Interior color



Exterior color



MINIMALIST DESIGN
OPEN UP A BROAD VIEW



It only isolates the noise but not the love

OPEN IN A HORIZONTAL SLIDING MANNER

It can achieve large-area ventilation and air exchange, featuring simplicity and beauty in appearance, and providing a wide and unobstructed view.



DE100 drift internal inverted window



OPEN IN AN INWARD TILTING MANNER

Micro-ventilation maintains the air convection indoors, and it adopts the structural design of double pull arms on both sides.






DE127

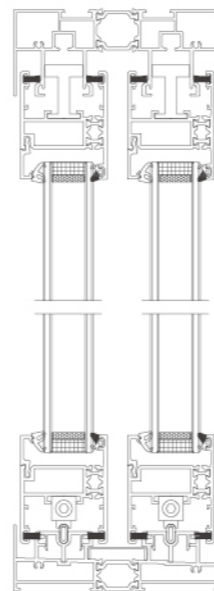
DUAL-TRACK SLIDING DOOR

PRODUCT PARAMETERS

The wall occupied by the frame: 127mm
 The thickness of the glass sash: 52mm
 The wall thickness of the profile: 2.0mm
 Glass configuration: 5mm+20A+5mm
 Hardware system: Full set of BOGO hardware

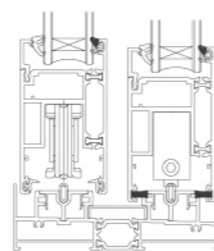
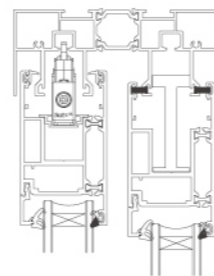
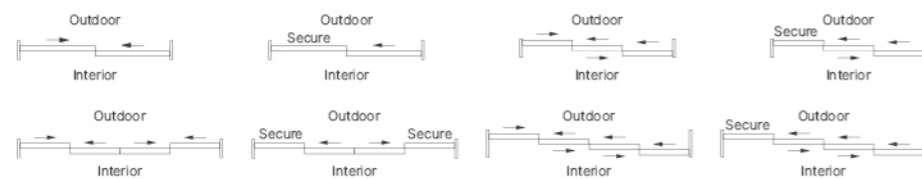
PERFORMANCE PARAMETERS

-  Thermal insulation performance $W/(m^2 \cdot k)$
K<4
-  Sound insulation performance (db)
RW+Ctr>20
-  Water tightness performance (Pa)
300Pa
-  Airtightness performance
Negative pressure level 5
Positive pressure level 5
-  Wind pressure resistance performance
Anti-deformation: 800Pa/Ultimate: 2500Pa






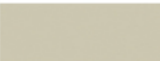
65mm door leaf

OPENING MODE

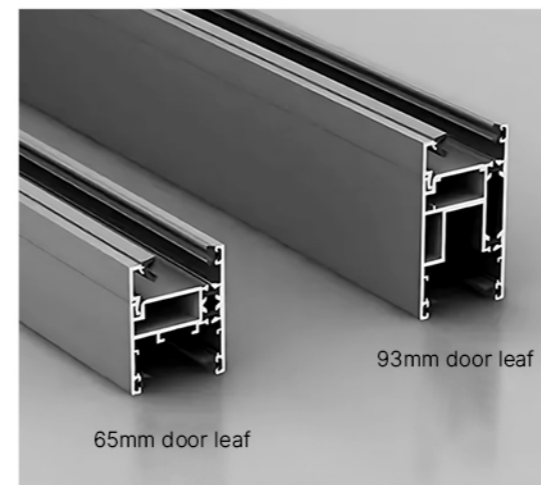


93mm door leaf

PRODUCT COLOR

- Interior color**
-  Coffee
 -  Deezon grey
 -  Starry sky black
 -  Rolex gold

- Exterior color**
-  Coffee
 -  Deezon grey
 -  Starry sky black



65mm door leaf

93mm door leaf

It can meet various home decoration requirements and offers options of fan materials with visible widths of 65mm and 93mm.






DE189

THREE TRACK SLIDING DOOR

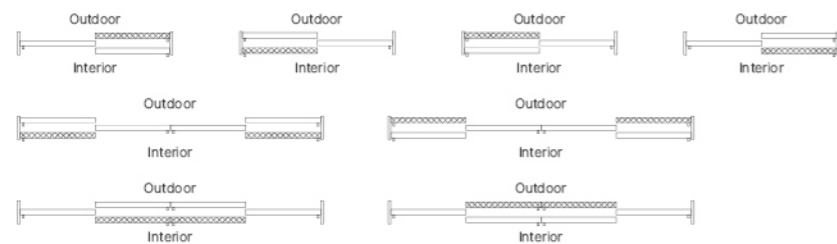
PRODUCT PARAMETERS

The wall occupied by the frame: 192mm
 The thickness of the glass sash: 52mm
 The wall thickness of the profile: 2.0mm
 Glass configuration: 5mm+20A+5mm
 Hardware system: Full set of BOGO hardware

PERFORMANCE PARAMETERS

| | | |
|--|--|---|
|  Thermal insulation performance $W/(m^2 \cdot k)$ K<4 |  Sound insulation performance (db) RW+Ctr>20 |  Water tightness performance (Pa) 300Pa |
|  Airtightness performance Negative pressure level 5 Positive pressure level 5 |  Wind pressure resistance performance Anti-deformation: 800Pa/Ultimate: 2500Pa | |

OPENING MODE



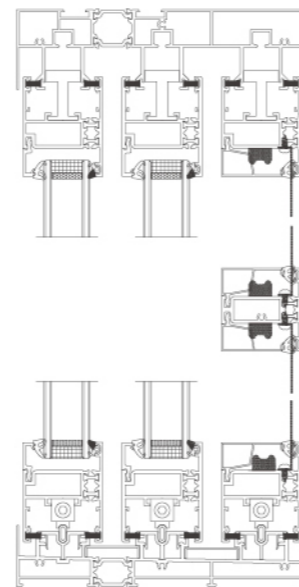
PRODUCT COLOR

Interior color

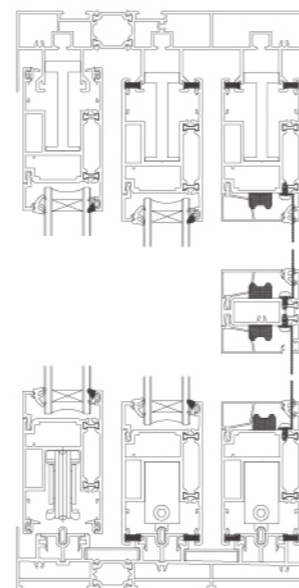
| | | | |
|---|---|---|---|
|  |  |  |  |
| Coffee | Deezon grey | Starry sky black | Rolex gold |

Exterior color

| | | |
|---|---|---|
|  |  |  |
| Coffee | Deezon grey | Starry sky black |



65mm door leaf



93mm door leaf



**STAINLESS
STEEL TRACK
PROVIDING
SMOOTH OPENING**






DE150B

PANORAMIC SLIDING DOOR

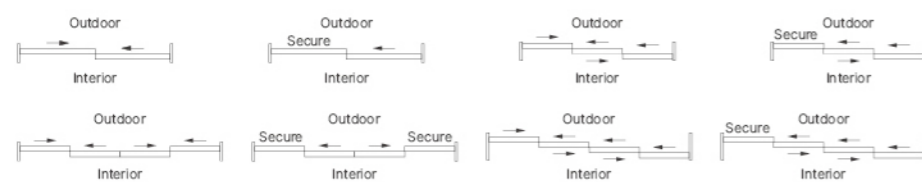
PRODUCT PARAMETERS

The wall occupied by the frame: 150mm
 The thickness of the glass sash: 50mm
 The wall thickness of the profile: Outer frame 2.0mm / Glass sash 3.0mm
 Glass configuration: 6mm+22A+6mm
 Hardware system: The hardware independently developed by DEEZON

PERFORMANCE PARAMETERS

| | | |
|--|--|---|
|  Thermal insulation performance $W/(m^2 \cdot k)$ K<4 |  Sound insulation performance (db) RW+Ctr>20 |  Water tightness performance (Pa) 300Pa |
|  Airtightness performance Negative pressure level 5 Positive pressure level 5 |  Wind pressure resistance performance Anti-deformation: 800Pa/Ultimate: 2500Pa | |

OPENING MODE



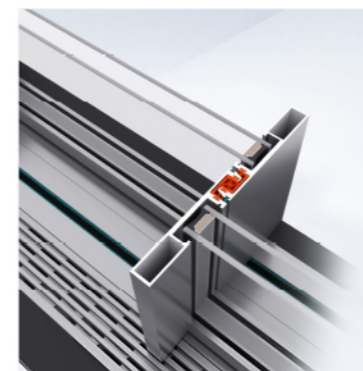
PRODUCT COLOR

Interior color

| | | | |
|---|---|---|---|
|  |  |  |  |
| Coffee | Deezon grey | Starry sky black | Rolex gold |

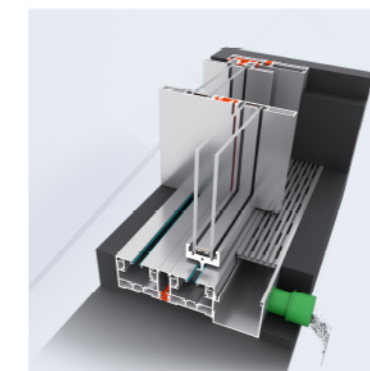
Exterior color

| | | |
|---|---|---|
|  |  |  |
| Coffee | Deezon grey | Starry sky black |



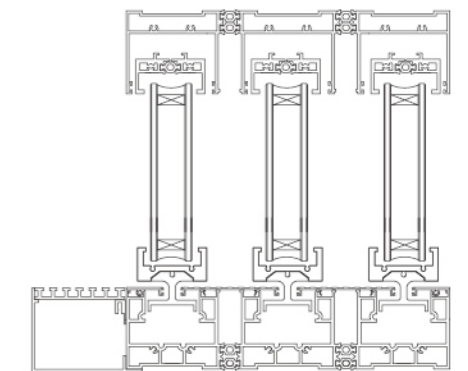
Ultra-narrow hook enterprise, broaden vision

The ultra-narrow hook profile achieves a visible surface of only 19mm, thus maximizing the broadening of the overall door's vision. Meanwhile, the hook profile is equipped with six layers of sealing, which greatly enhances the sealing, thermal insulation, and waterproof performance of the entire door.



Hidden track design

Adopting a hidden track design, which subverts tradition, the double-row customized stainless steel pulleys enable a single sash to bear a load of up to 1500KG.



DEX118

SUNROOM

PRODUCT PARAMETERS

Width of the main beam: 118mm

Width of the secondary beam: 80mm

Width of the beam against the wall: 55mm

Side beam + Column: 120mm×120mm

Thickness of the water tank: 110mm

Wall thickness of the section material: 3.0mm

Glass configuration: 5mm clear glass laminated with 5mm clear glass

5mm clear glass laminated with 5mm clear glass + 14A + 6mm clear glass

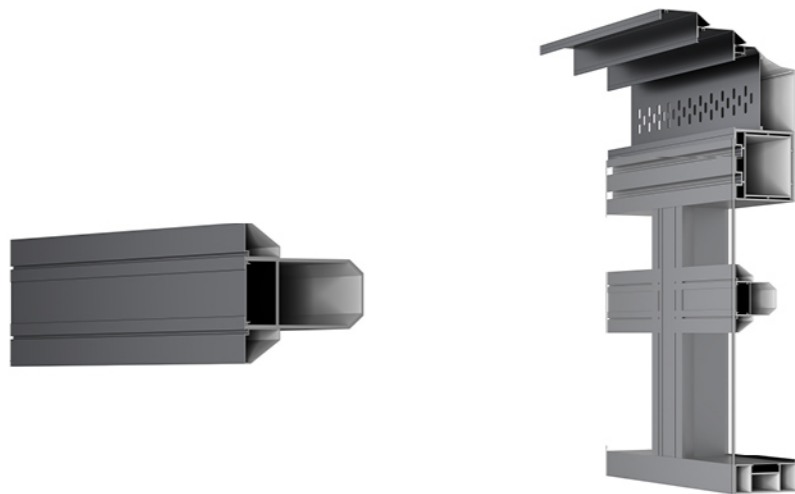
5mm clear glass laminated with 5mm clear glass + 12A + 8mm clear glass

6mm clear glass laminated with 6mm clear glass + 12A + 6mm clear glass

6mm clear glass laminated with 6mm clear glass + 10A + 8mm clear glass

5mm clear glass laminated with 5mm clear glass (bent steel)

Opening configuration: Manual skylight/Electric skylight/Rain-sensing electric skylight



PRODUCT COLOR



Coffee

Deezon grey



EXCELLENT LIGHTING

The glass sunroom can introduce natural light to the greatest extent, making the indoor space bright and transparent. It allows you to fully enjoy the sunshine indoors and enhances your sense of closeness to nature.

DEX128

LIGHT STRIP SUNROOM

PRODUCT PARAMETERS

Width of the main beam: 127.5mm

Width of the secondary beam: 80mm

Width of the beam against the wall: 55mm

Side beam + Column: 120mm×128mm

Thickness of the water tank: 110mm

Wall thickness of the section material: 4.0mm

Glass configuration: 5mm clear glass laminated with 5mm clear glass

5mm clear glass laminated with 5mm clear glass + 14A + 6mm clear glass

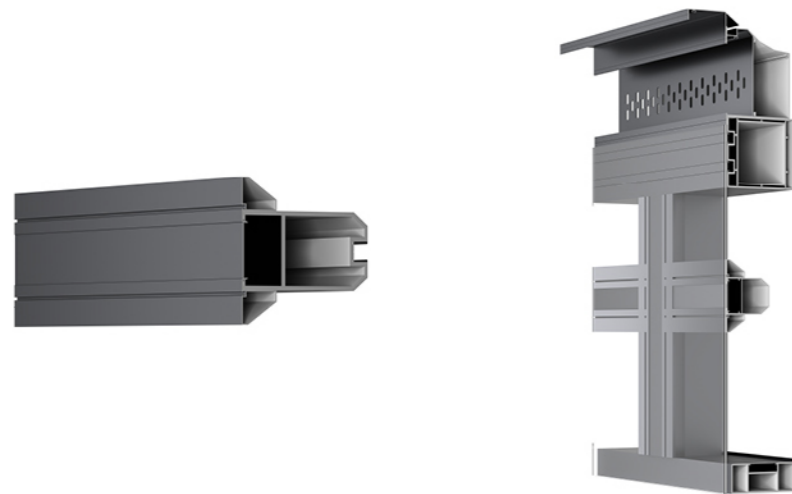
5mm clear glass laminated with 5mm clear glass + 12A + 8mm clear glass

6mm clear glass laminated with 6mm clear glass + 12A + 6mm clear glass

6mm clear glass laminated with 6mm clear glass + 10A + 8mm clear glass

5mm clear glass laminated with 5mm clear glass (bent steel)

Opening configuration: Manual skylight/Electric skylight/Rain-sensing electric skylight



PRODUCT COLOR



Coffee

Deezon grey



CREATE AN ATMOSPHERE

By setting up light strips of different colors and brightness, various unique atmospheres can be created.

DEX158

EXTREMELY NARROW LIGHT STRIP SUNROOM

PRODUCT PARAMETERS

Width of the main beam: 127.5mm

Width of the secondary beam: 80mm

Width of the beam against the wall: 55mm

Side beam + Column: 120mm×128mm

Thickness of the water tank: 110mm

Wall thickness of the section material: 4.0mm

Glass configuration: 5mm clear glass laminated with 5mm clear glass

5mm clear glass laminated with 5mm clear glass + 14A + 6mm clear glass

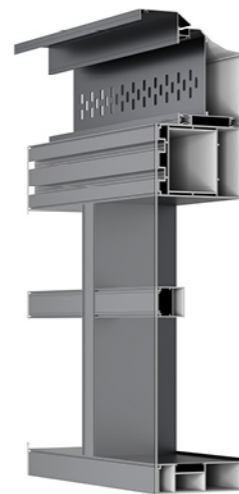
5mm clear glass laminated with 5mm clear glass + 12A + 8mm clear glass

6mm clear glass laminated with 6mm clear glass + 12A + 6mm clear glass

6mm clear glass laminated with 6mm clear glass + 10A + 8mm clear glass

5mm clear glass laminated with 5mm clear glass (bent steel)

Opening configuration: Manual skylight/Electric skylight/Rain-sensing electric skylight



PRODUCT COLOR



Coffee



Deezon grey



At night, when the light strips are turned on, the sunroom is just like a glowing box, adding a unique illuminated landscape to the building.

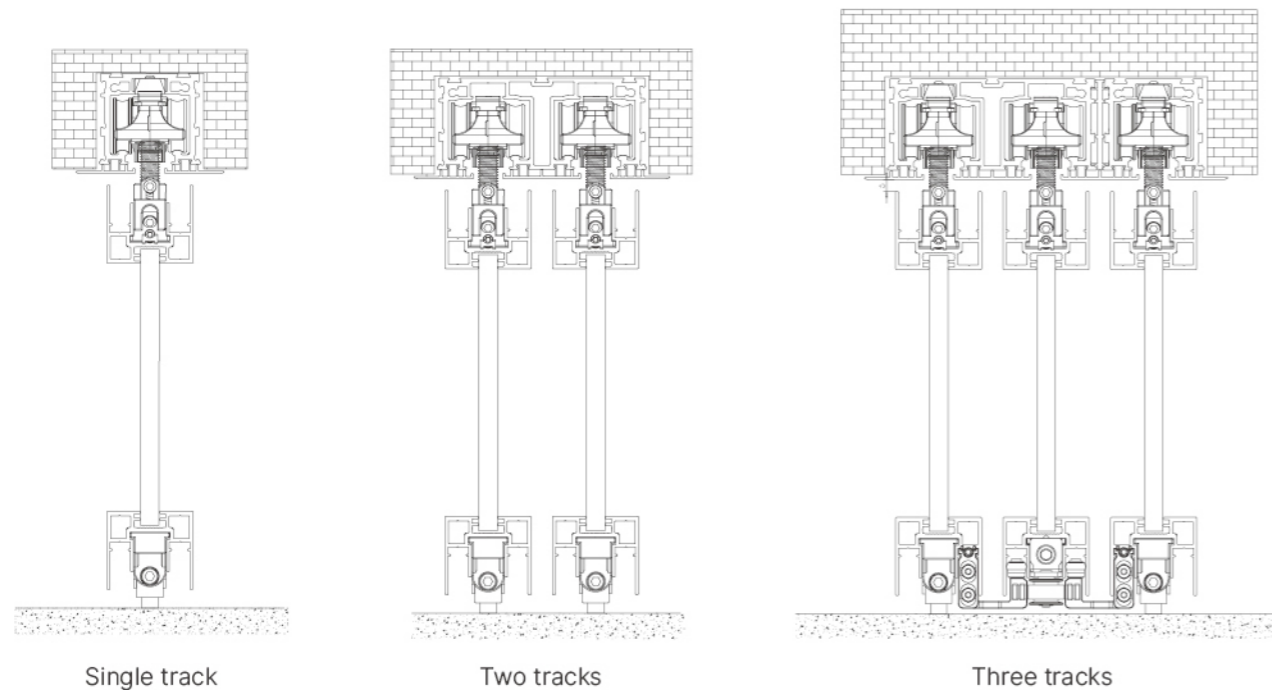
DE4012

WANMEI SYSTEM

PRODUCT PARAMETERS

The wall occupied by the frame: Single track: 46mm
 Double tracks: 92mm / Triple tracks: 138mm
 The width of the glass sash: 40mm
 The wall thickness of the profile: 1.8mm
 Glass configuration: 8mm single clear glass
 Hardware system: OPK linkage with buffer pulley

SLIDING DOOR TRACK



PRODUCT COLOR



**HIGH-QUALITY
HANDLE, SIMPLE
AND AESTHETICALLY
PLEASING**

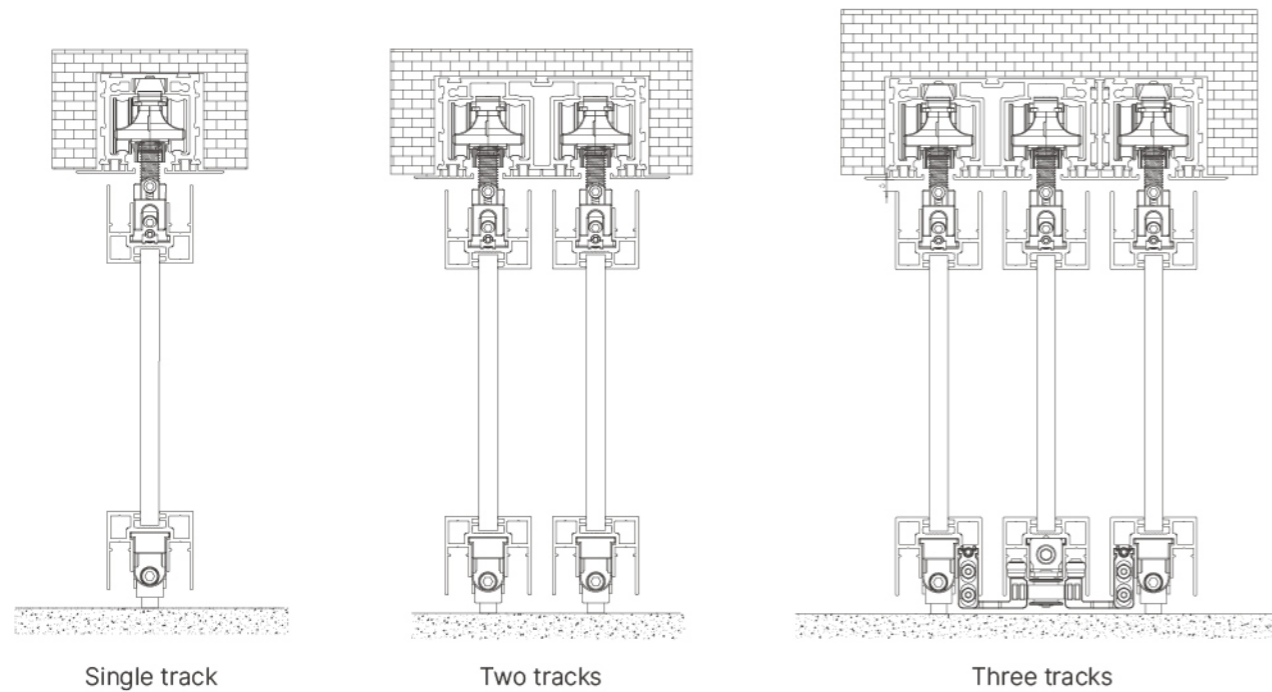
DE4015

WANMEI SYSTEM

PRODUCT PARAMETERS

The wall occupied by the frame: Single track: 46mm
 Double tracks: 92mm / Triple tracks: 138mm
 The width of the glass sash: 40mm
 The wall thickness of the profile: 1.8mm
 Glass configuration: 8mm single clear glass
 Hardware system: OPK linkage with buffer pulley

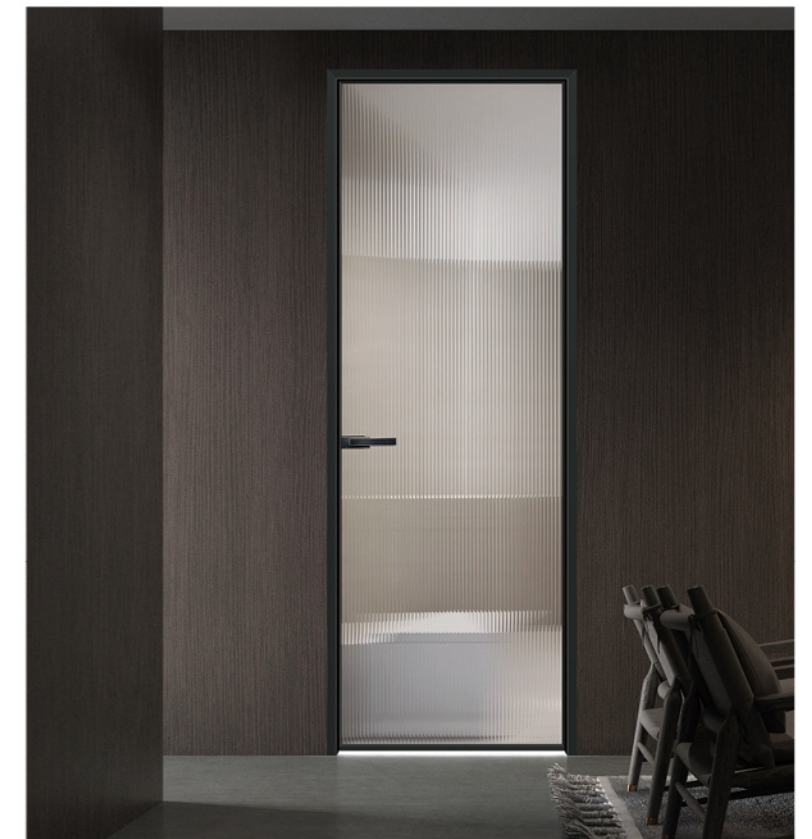
SLIDING DOOR TRACK



PRODUCT COLOR



**SIMPLE AND
AESTHETICALLY
PLEASING**



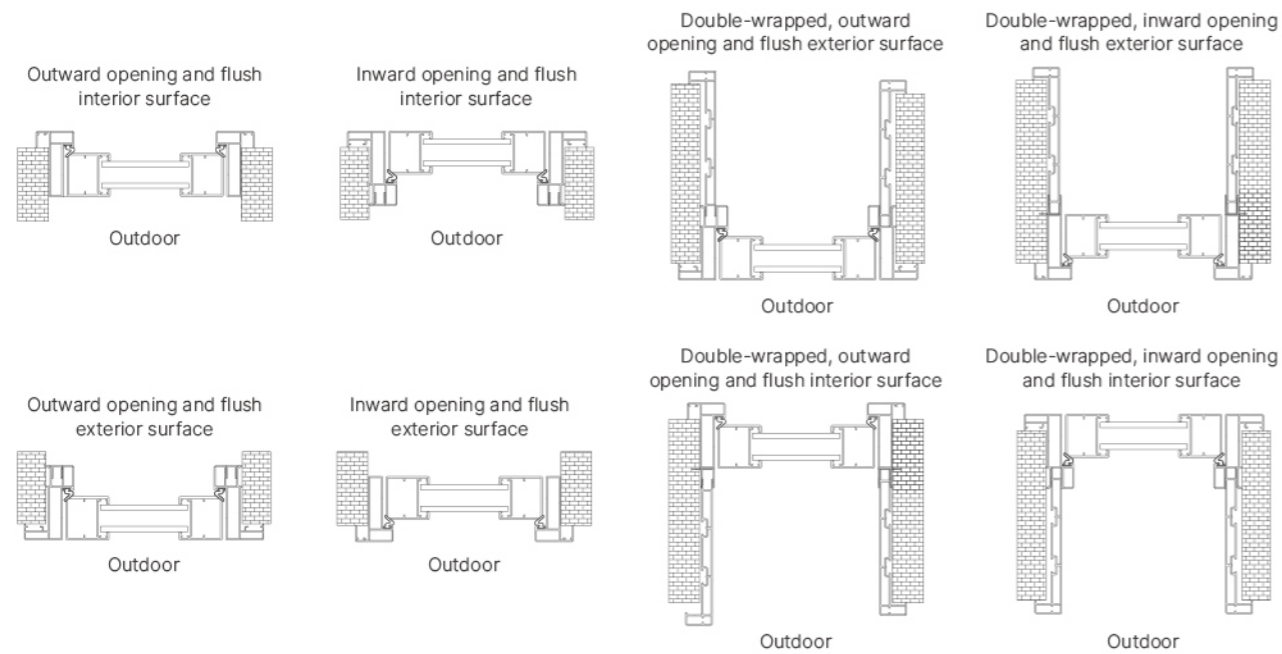
DE4040

WANMEI SYSTEM

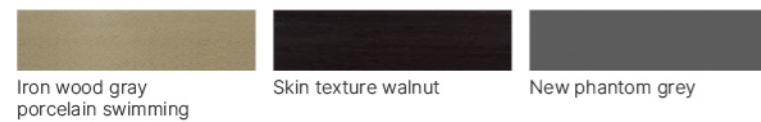
PRODUCT PARAMETERS

The wall occupied by the frame: Single track: 46mm
 Double tracks: 92mm / Triple tracks: 138mm
 The width of the glass sash: 40mm
 The wall thickness of the profile: 1.8mm
 Glass configuration: 5mm+14A+5mm
 Hardware system: OPK linkage with buffer pulley

FLAT DOOR STRUCTURE



PRODUCT COLOR

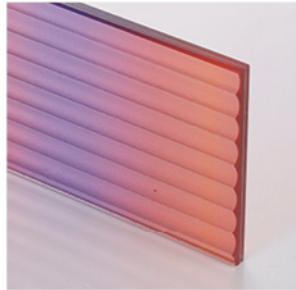


The simple lines and light, elegant and high-grade colors bring people a bright and relaxed visual experience, adding a touch of brilliance to the home space.

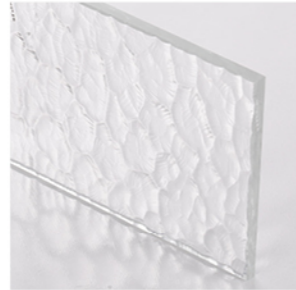
GLASS STYLE



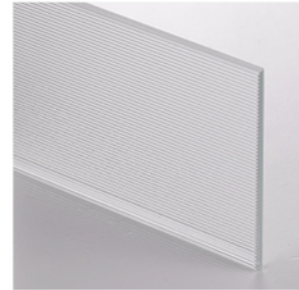
Type: Changhong
Number: C02
(Ultra-clear Changhong)



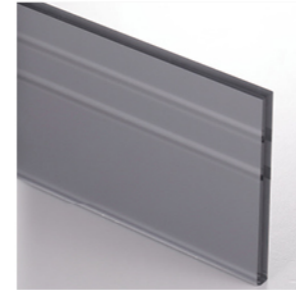
Type: Changhong
Number: C03
(Red and Blue Gradient)



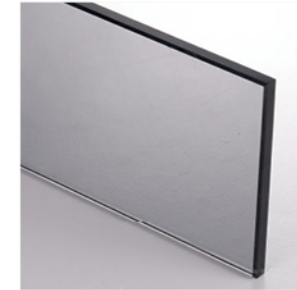
Type: Embossed
Number: H01
(Ultra-clear Float Glass)



Type: Embossed
Number: H02
(Ultra-clear Small Wavy Glass)



Type: Machine-cut
Number: K01
(Grey Glass with Oil Sand Finish and Machine-cut Pattern)



Type: Colored glass
Number: S05
(European Grey)



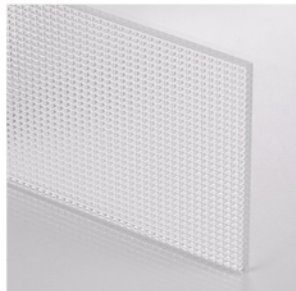
Type: Colored glass
Number: S06
(Golden Tea Color)



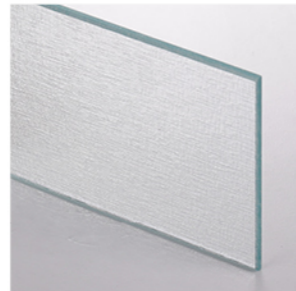
Type: Colored glass
Number: S07
(Grey Tea Color)



Type: Embossed
Number: H03
(European Grey Drizzle Pattern)



Type: Embossed
Number: H04
(Ultra-clear Crystal Glass)



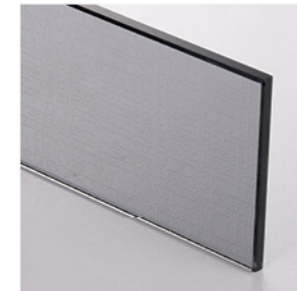
Type: Embossed
Number: H05
(Silk Road Pattern)



Type: Wired glass
Number: JP01



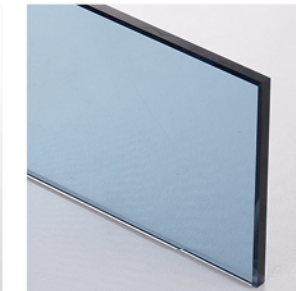
Type: Colored glass
Number: S10
(Grey Glass with Wood Grain Pattern)



Type: Colored glass
Number: S11
(Grey glass with the "Dream of Paris" pattern)



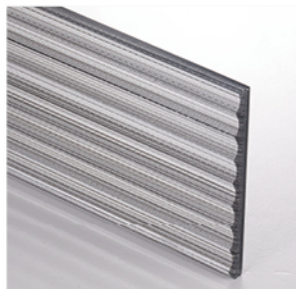
Type: Colored glass
Number: S12
(Ultra-clear Large Wavy Glass)



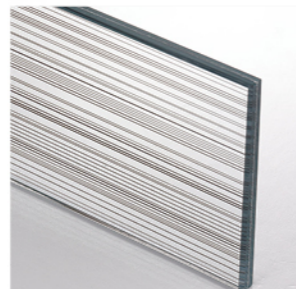
Type: Colored glass
Number: S15
(Dreamy Blue)



Type: Wired glass
Number: JP02



Type: Wired glass
Number: JT01



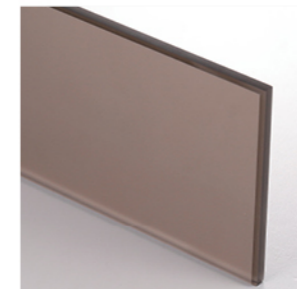
Type: Wired glass
Number: JT02



Type: Wired glass
Number: JT03



Type: Oil sand glass
Number: Y01
(Ultra-clear)



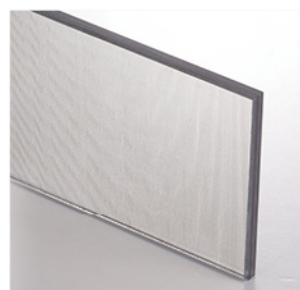
Type: Oil sand glass
Number: Y02
(Grey Tea Color)



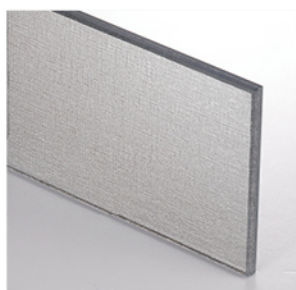
Type: Oil sand glass
Number: Y03
(Black)



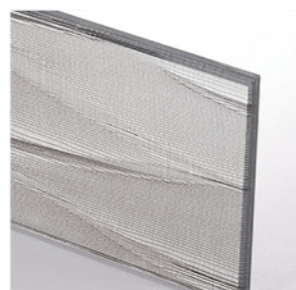
Type: Embossed
Number: Y04
(Ultra-clear with Pear Pattern)



Type: Wired glass
Number: JT04



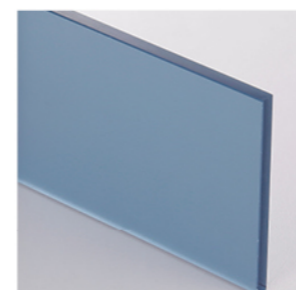
Type: Wired glass
Number: JT05



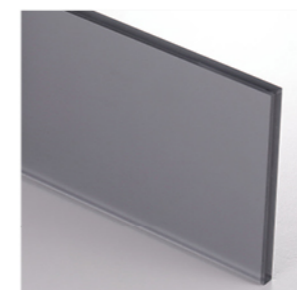
Type: Wired glass
Number: JT06



Type: Wired glass
Number: JT08



Type: Oil sand glass
Number: Y05
(Dreamy Blue)



Type: Oil sand glass
Number: Y06
(European Grey)



Type: Oil sand glass
Number: Y07
(Ultra-clear Large Wavy Glass/Single-sided)



Type: Oil sand glass
Number: Y08
(Ultra-clear Silver Glass/Single-sided)