



# SUNRAY- Product Catalog

Let Nature Light Into Your Life.

FOSHAN SUNRAY WINDOWS  
LIMITED COMPANY



Website



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# Company Profile



**100,000 M<sup>2</sup>/year**  
Production Capacity

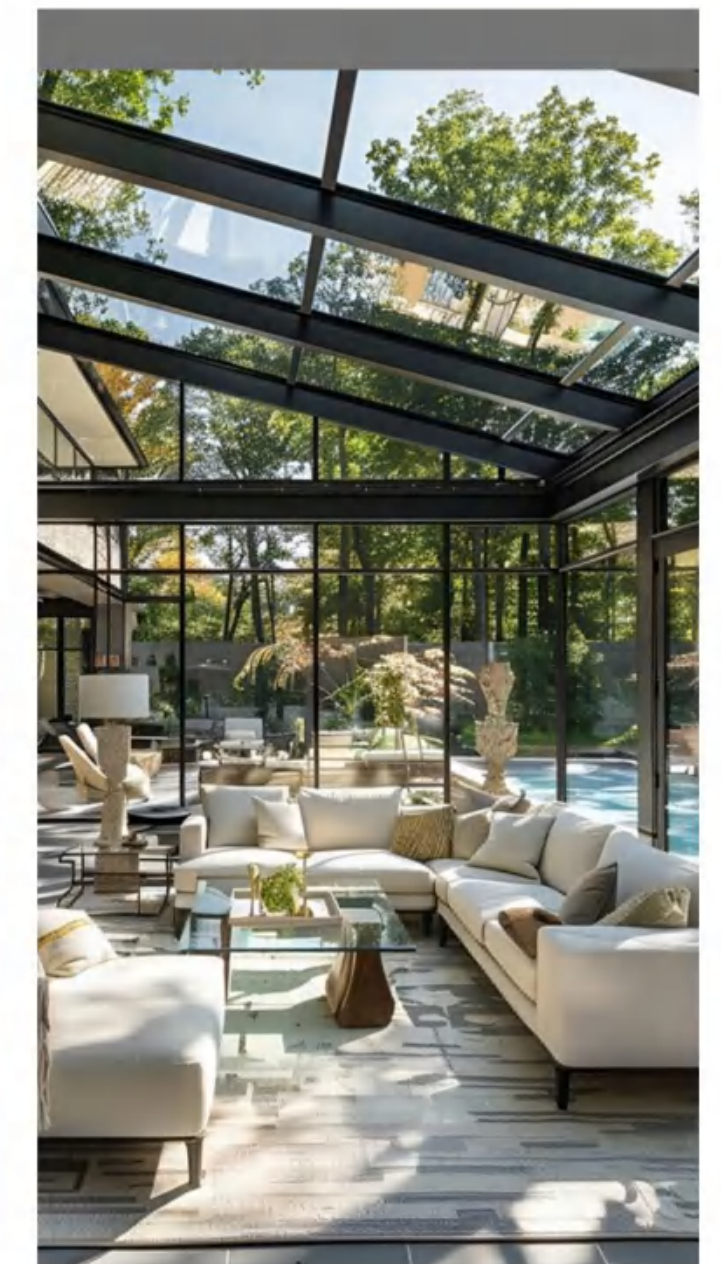
**15 year**  
Technical Expertise

**40000 M<sup>2</sup>**  
Production Capacity

**2000+**  
Successful Projects

---

SUNRAY is one of the biggest prefabricated buildings manufacturers with 5 factories and 10 workshops and 15 years of experience. who a partner of IHG and designated supplier of the world top 500 company. Located in Foshan, China, it was established in 2011. The main products are mobile sunroom, cultural tourism products, sports mobile canopy, curtain wall and door & window, and so on. Welcome to be our partners.







# One-Stop Solutions For Outdoor Buildings

A factory with 15 years of experience in prefabricated buildings production and sales.



## Certification obtained





# CONTENTS

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Color Chart Selection

## SELECTION OF INNOVATIVE AND INTELLIGENT SKYLIGHT



Multifunction transmitter



Rain sensor



Mobile remote control



Wind and rain sensor



Smoke sensor



Child lock



Adjustable light system



Electrical window screen



Electrical sunshade



*01* •

# CHAPTER 1

**Home Series**





## HOME SERIES



Patio



Courtyard



Greenhouse



Porch



*02* •

# CHAPTER 2

**Commercial Series**



## COMMERCIAL SERIES



Café



Dining Room



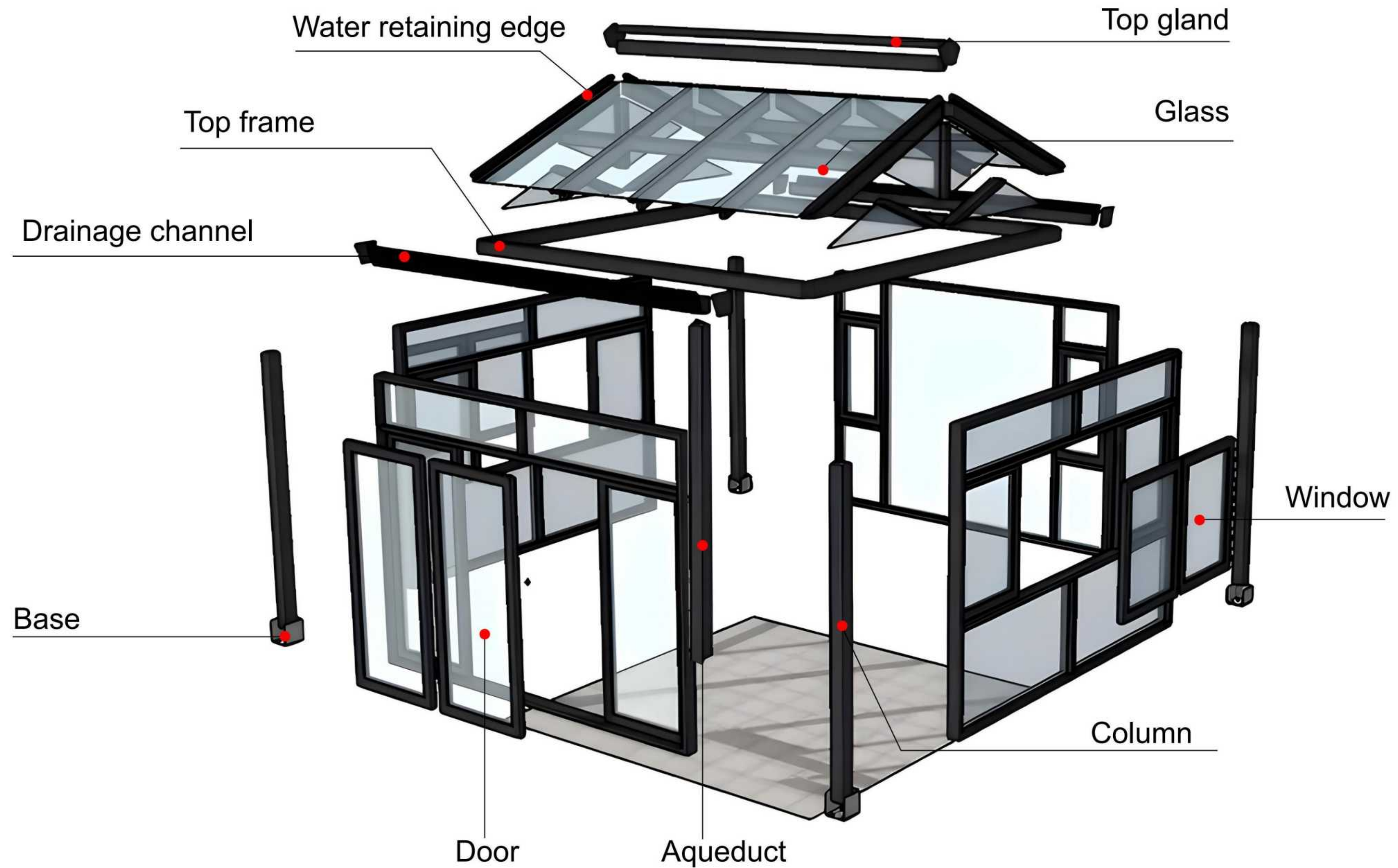
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# CHAPTER 3

**Structure and Materials**



# Structural system description

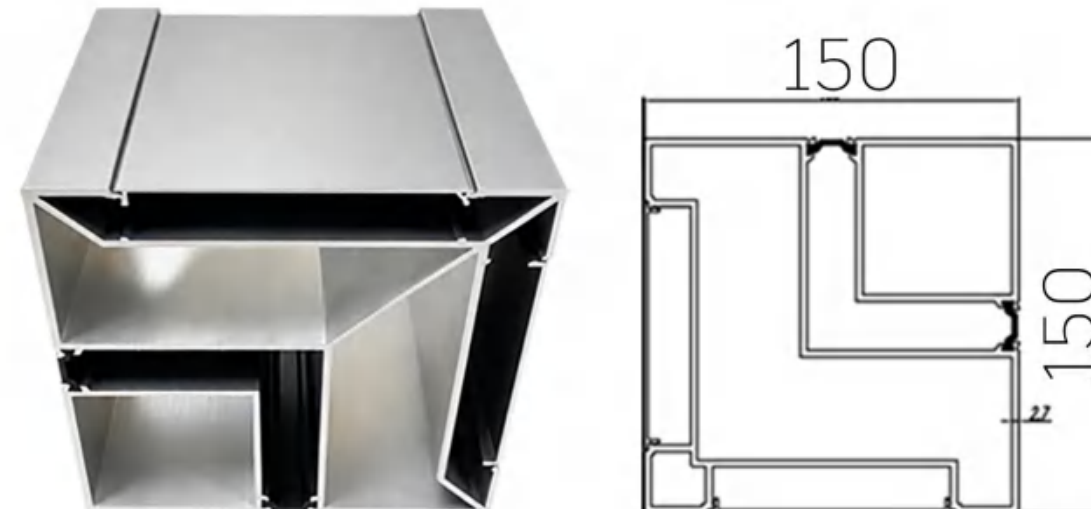




# Specifications for Thermal Break Aluminum Alloy Profiles



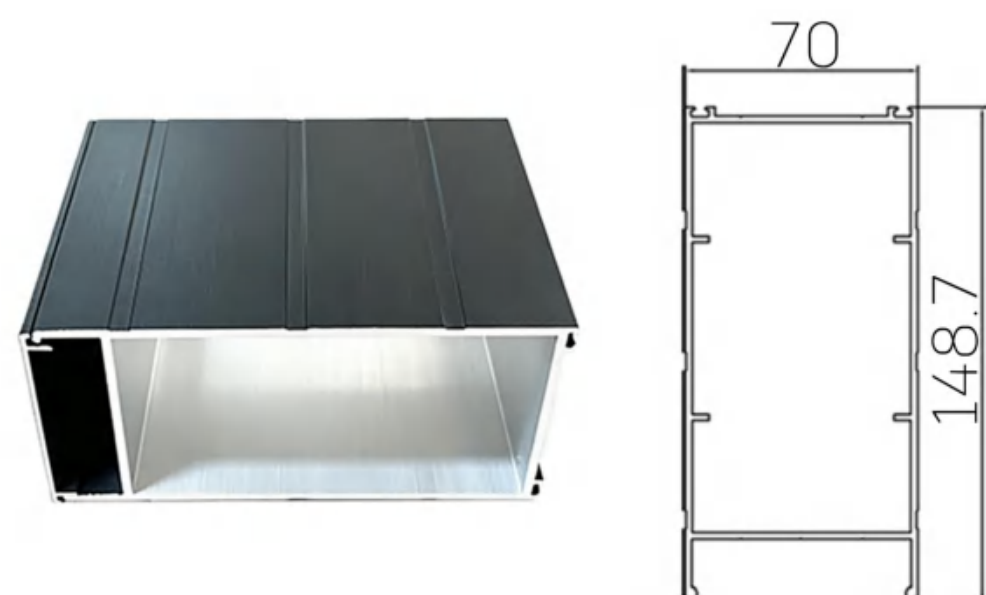
150 Series Edge Beam(T:2.7MM)



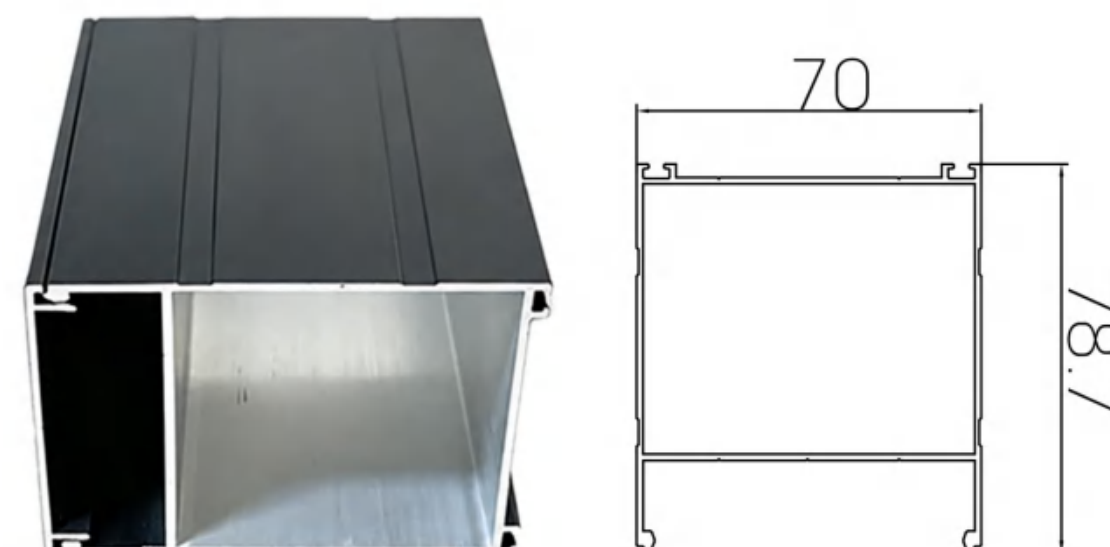
150 Series Columns(T:2.7Mm)



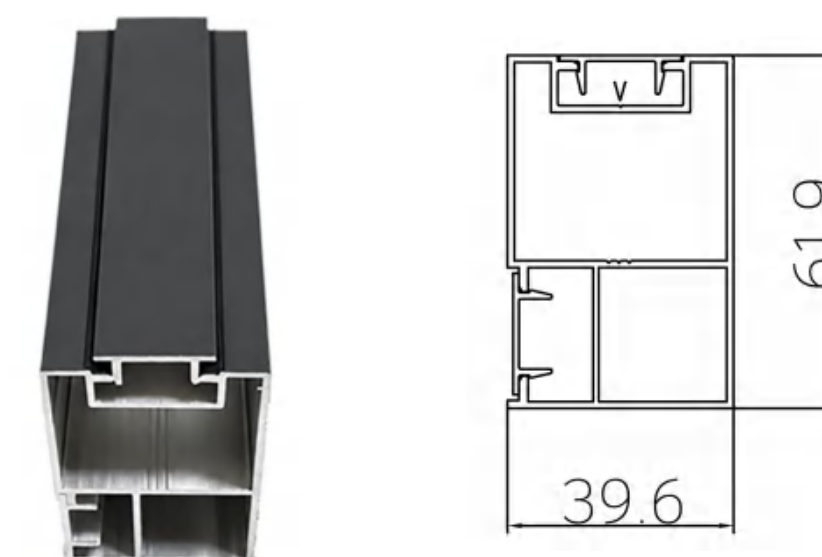
150 Series Side Column(T:1.7MM)



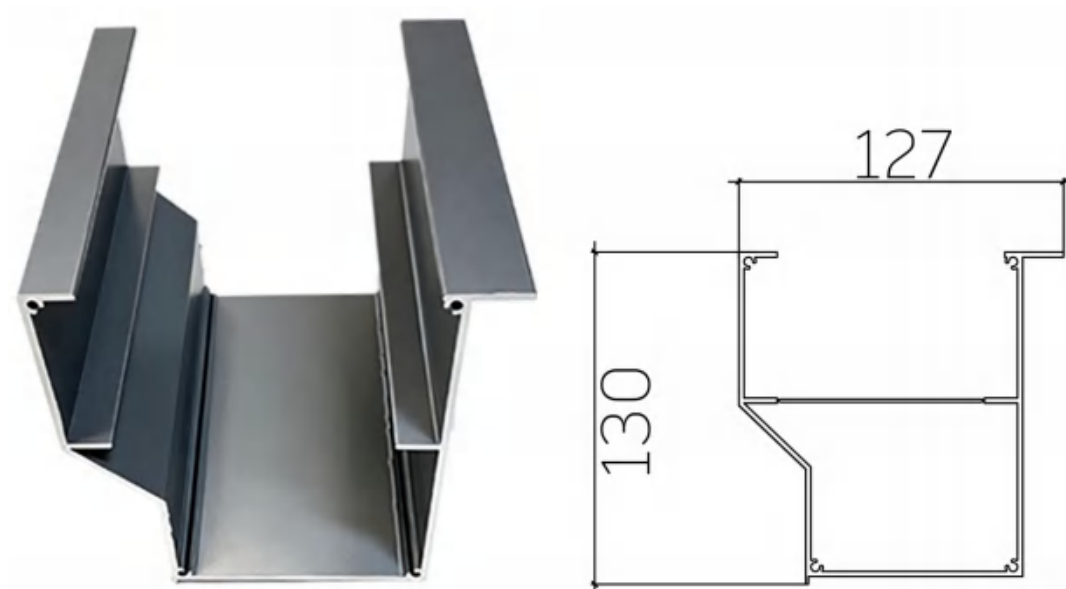
150 Series Main Beam(T:2.3MM)



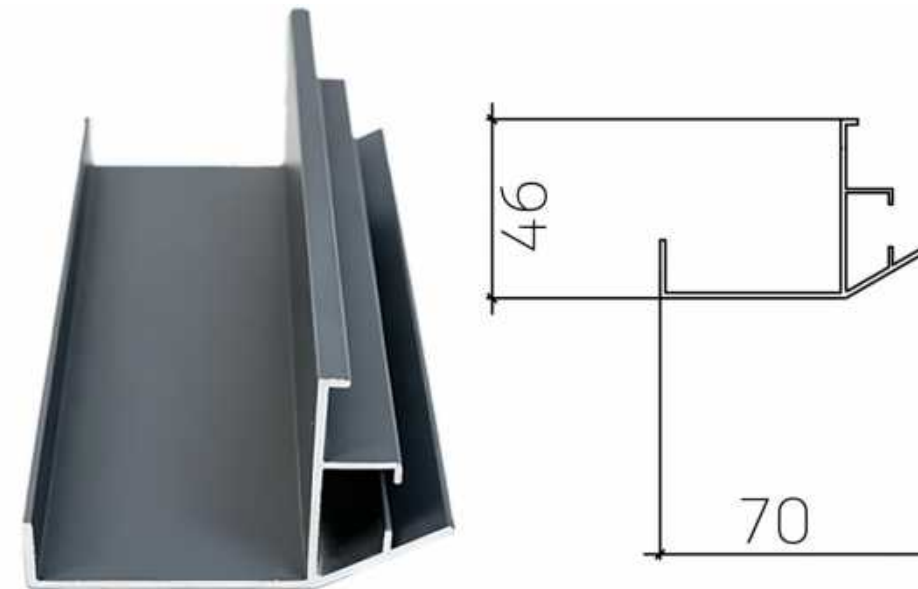
150 Series Secondary Beam(T:1.3MM)



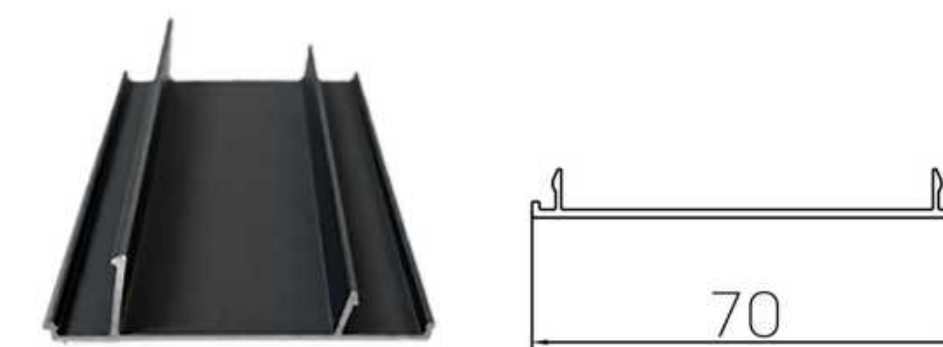
150 Series Water-stopframe(T:1.6MM)



150 Series Sink(T:1.5MM)



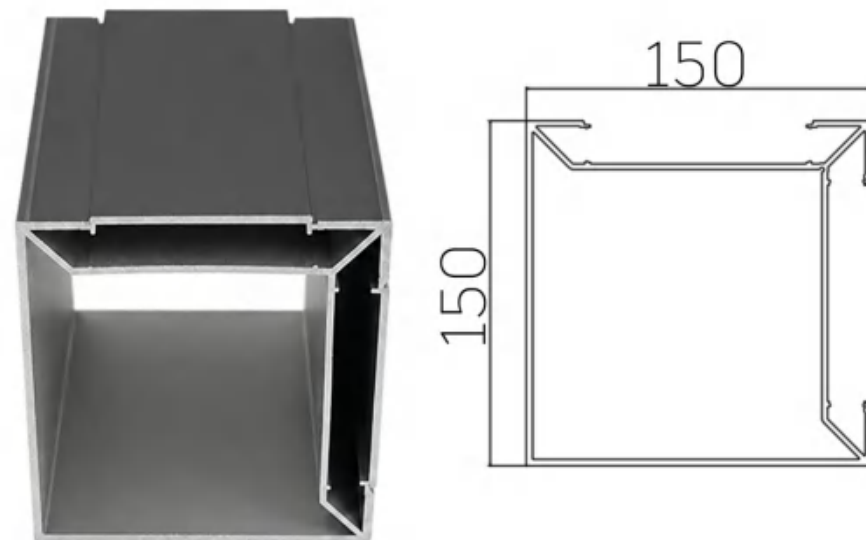
150 Series Sink Overlay Panel(T:1.4MM)



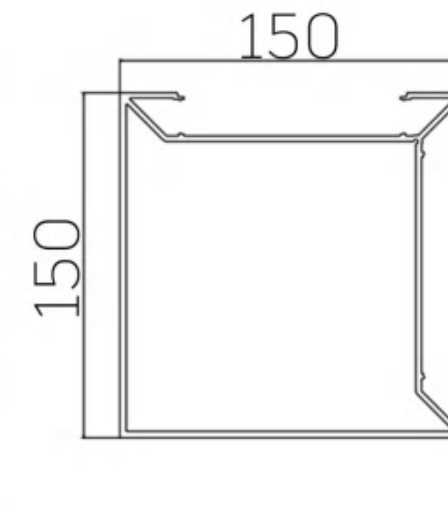
150 Series Border Stitching(T:1.2MM)



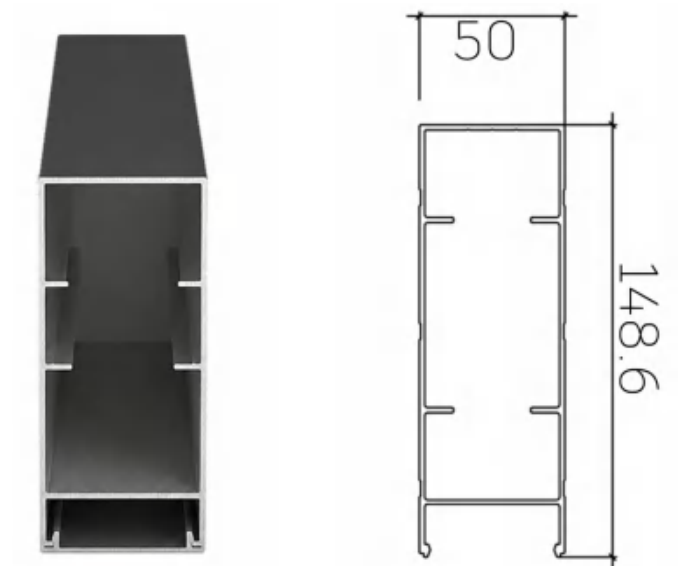
# 150 Series Aluminum Alloy Profiles



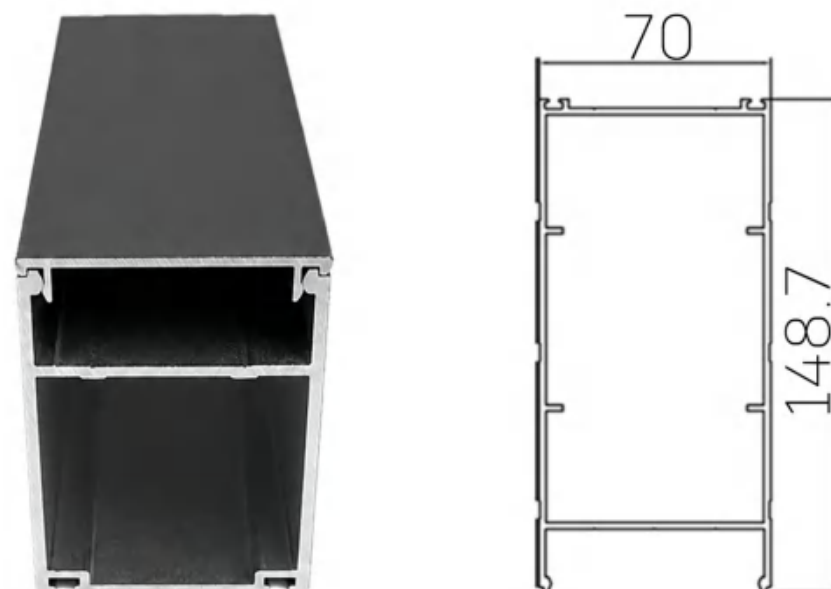
150 Series Edge Beam(T:3.0MM)



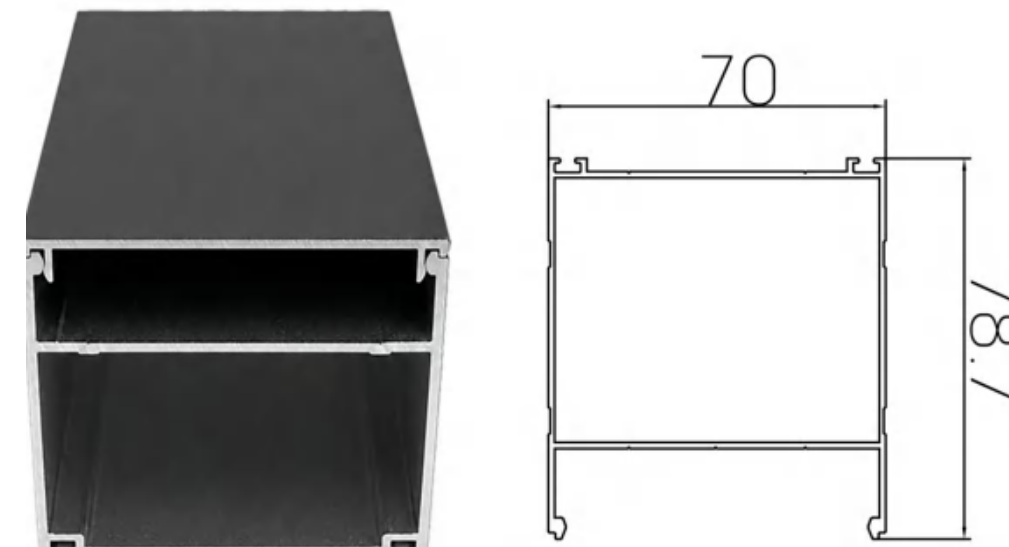
150 Series Columns(T:3.0MM)



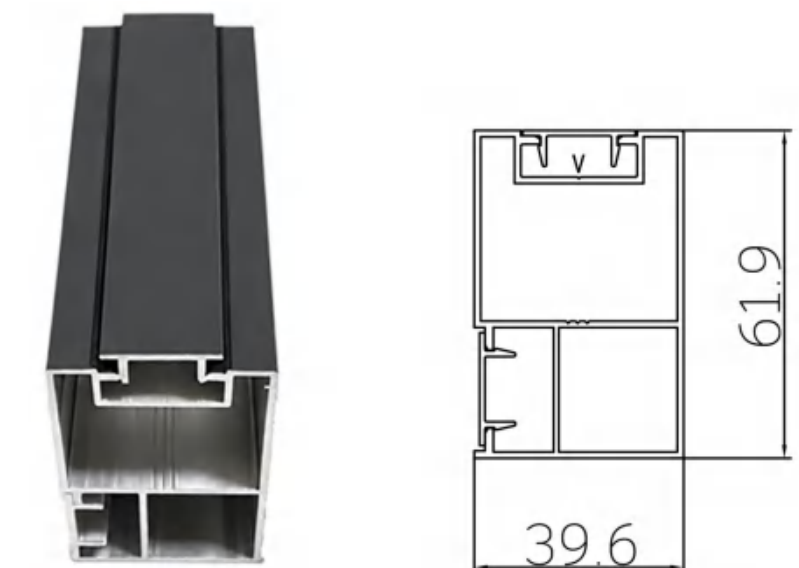
150 Series Side Column(T:3.0MM)



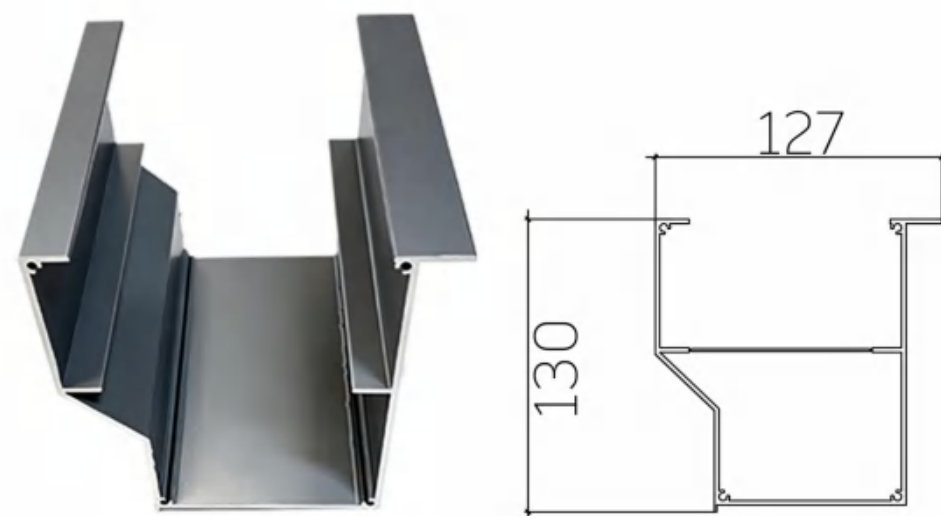
150 Series Main Beam(T:2.3MM)



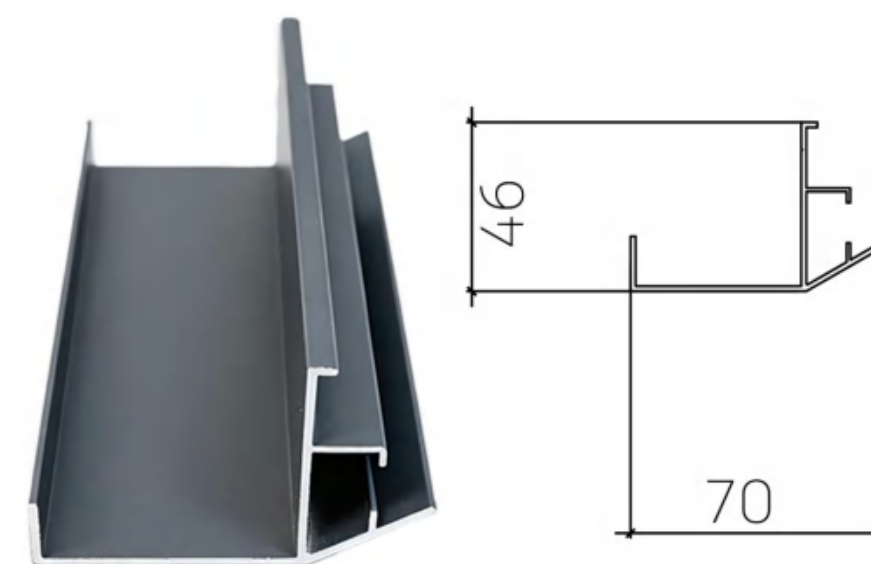
150 Series Secondary Beam(T:1.3MM)



150 Series Water-stopframe(T:1.6MM)



150 Series Sink(T:1.5MM)



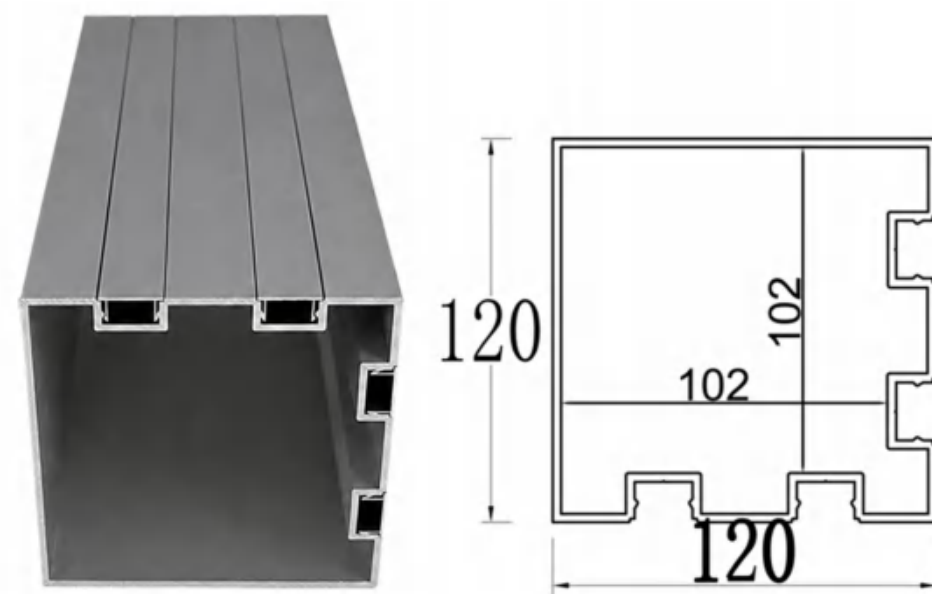
150 Series Sink Overlay Panel(T:1.5MM)



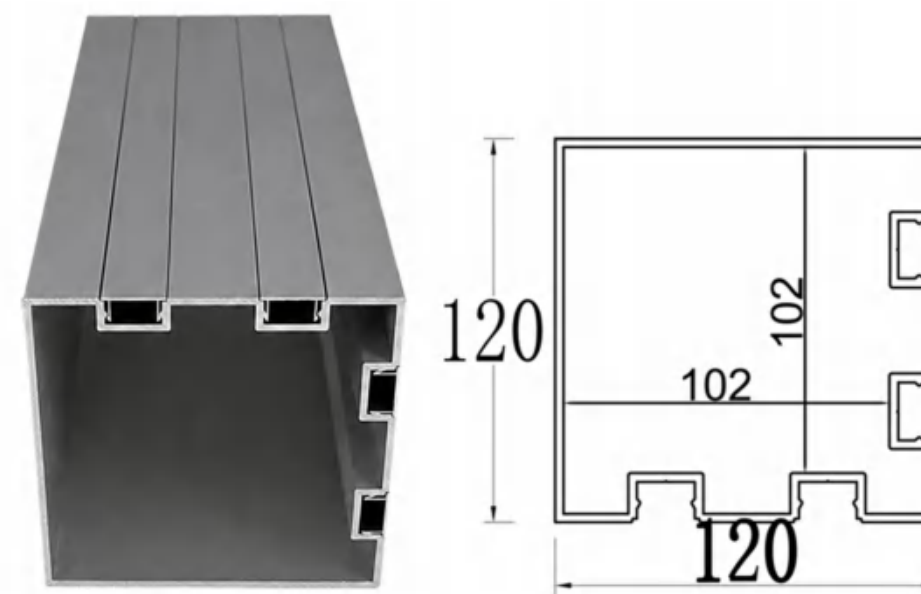
150 Series Border Stitching(T:1.2MM)



# 120 Series Aluminum Alloy Profiles



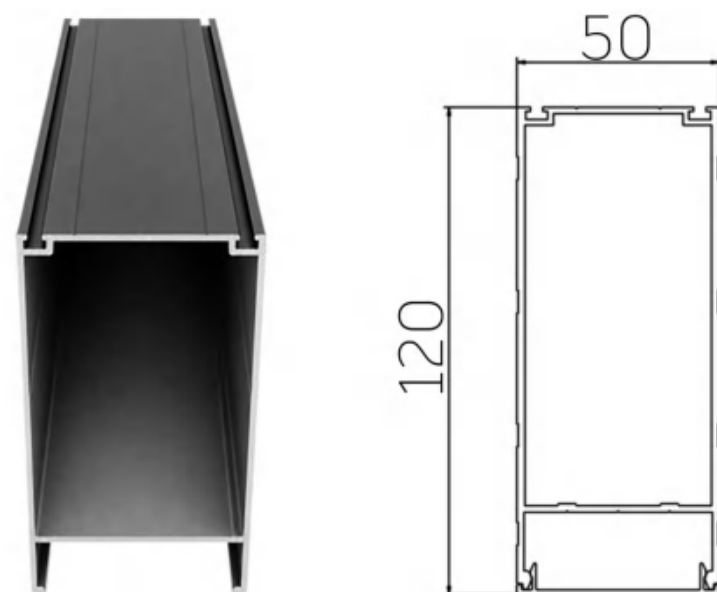
120 Series Edge Beam(T:3.0MM)



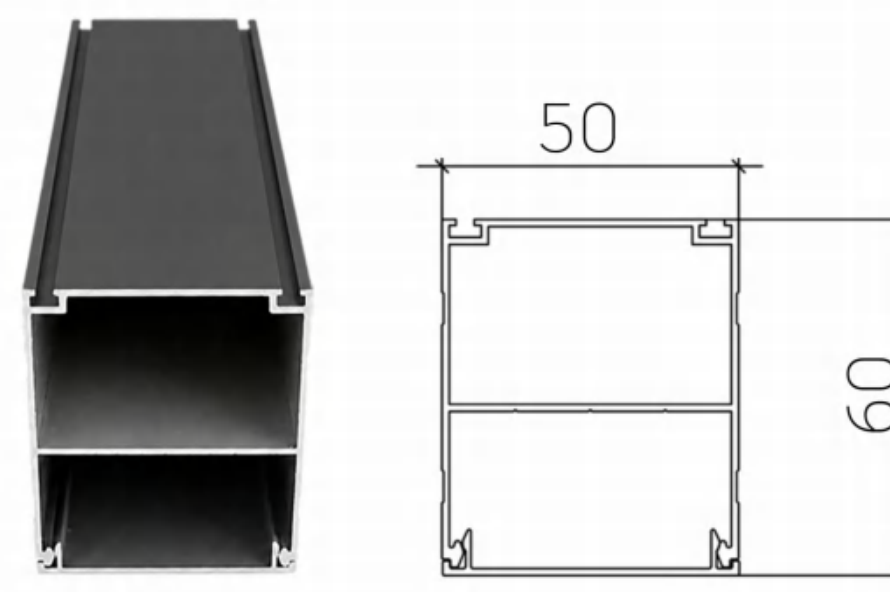
120 Series Columns(T:3.0MM)

**Updating profiles...**

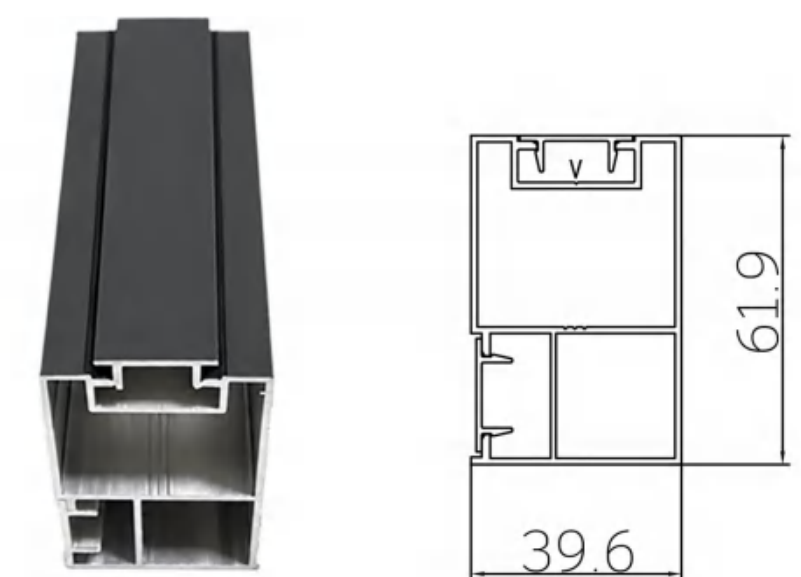
120 Series Side Column



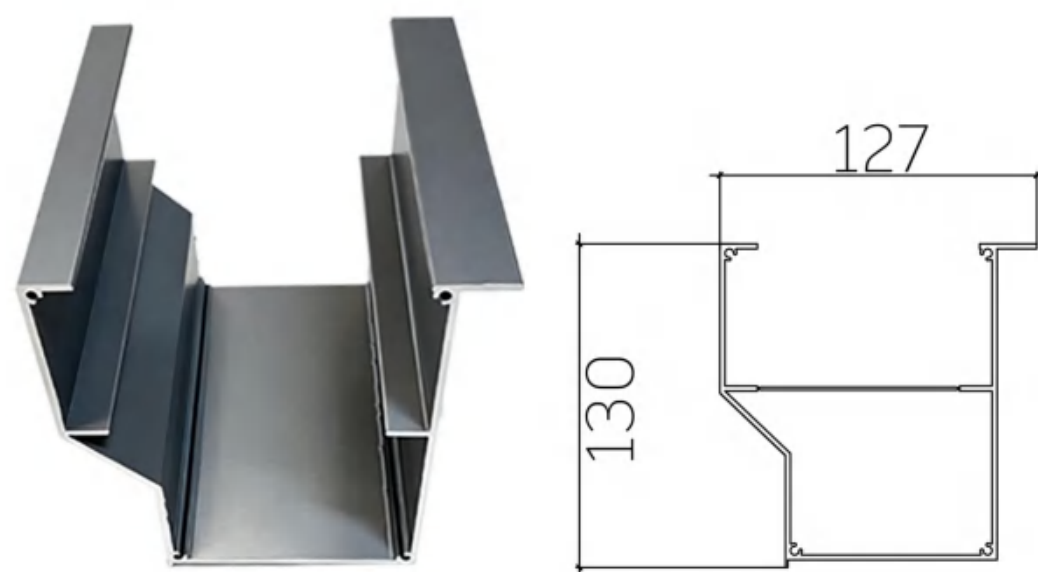
120 Series Main Beam(T:2.0MM)



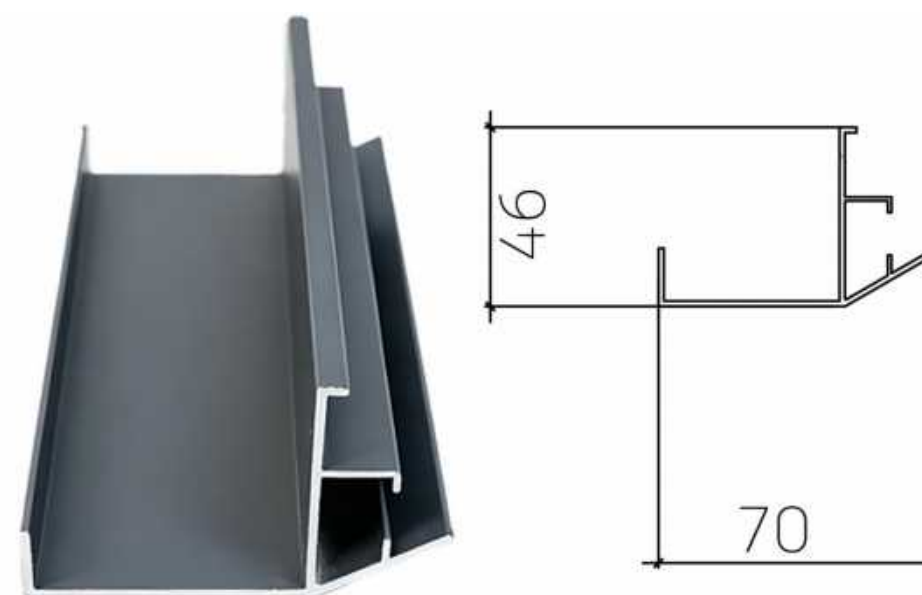
120 Series Secondary Beam(T:1.5MM)



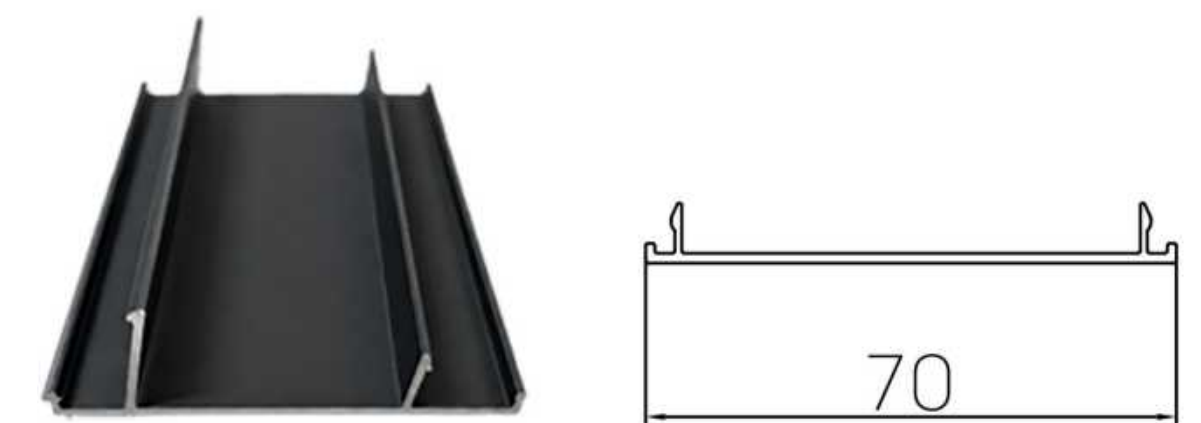
120 Series Water-stopframe(T:1.6MM)



120 Series Sink(T:1.5MM)



120 Series Sink Overlay Panel(T:1.5MM)

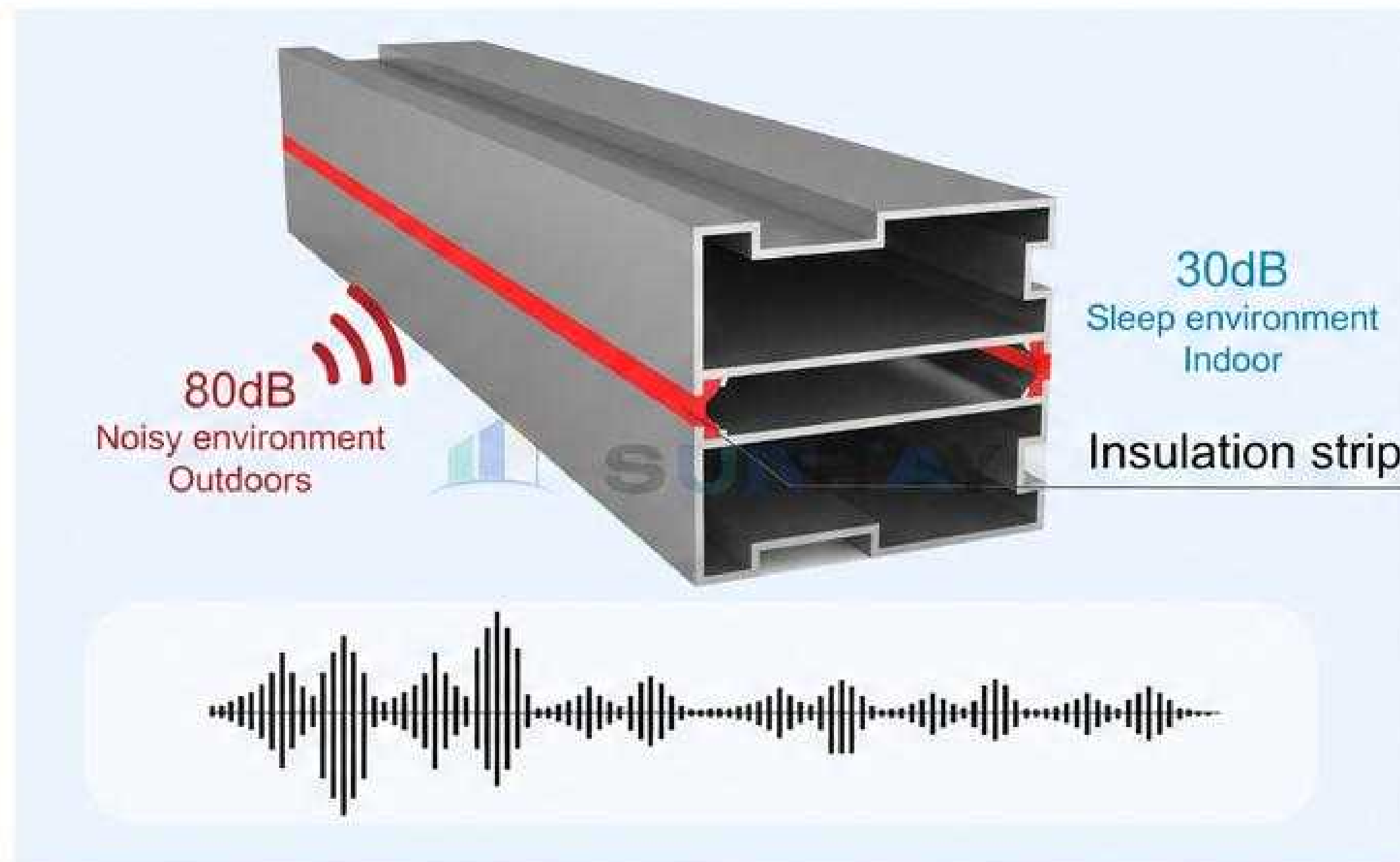


120 Series Border Stitching(T:1.2MM)



## Integrated Thermal Break Structure

- Effectively blocks heat transfer for warmth in winter and coolness in summer
- Reduces noise by 30-40 decibels, creating a quiet indoor environment
- Effectively prevents air and rain leakage, withstanding wind and sand





# Simple installation

① Fewer screws = faster installation  
Three sizes make it easy to handle sunrooms.

## Our Screws

- ✓ Install columns with expansion bolts.
- ✓ Install frames with self-tapping screws.



Expansion Bolt    Self-tapping Screw



## Other screws

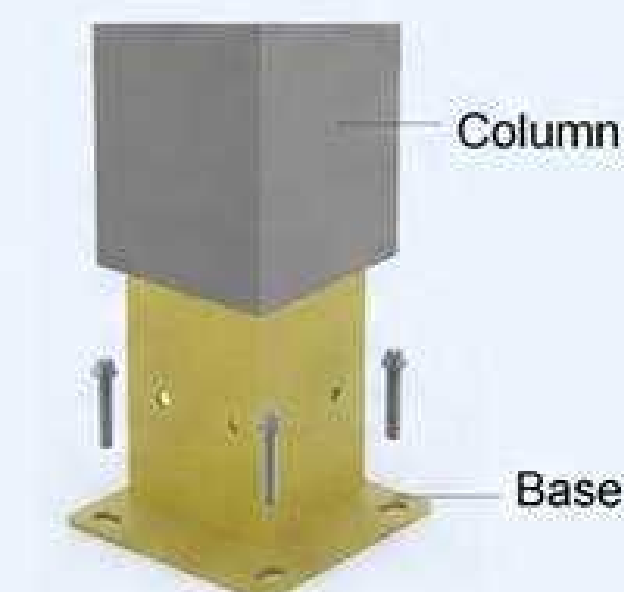
- ✗ Numerous varieties, difficult to distinguish
- ✗ Additional installation tools are required.



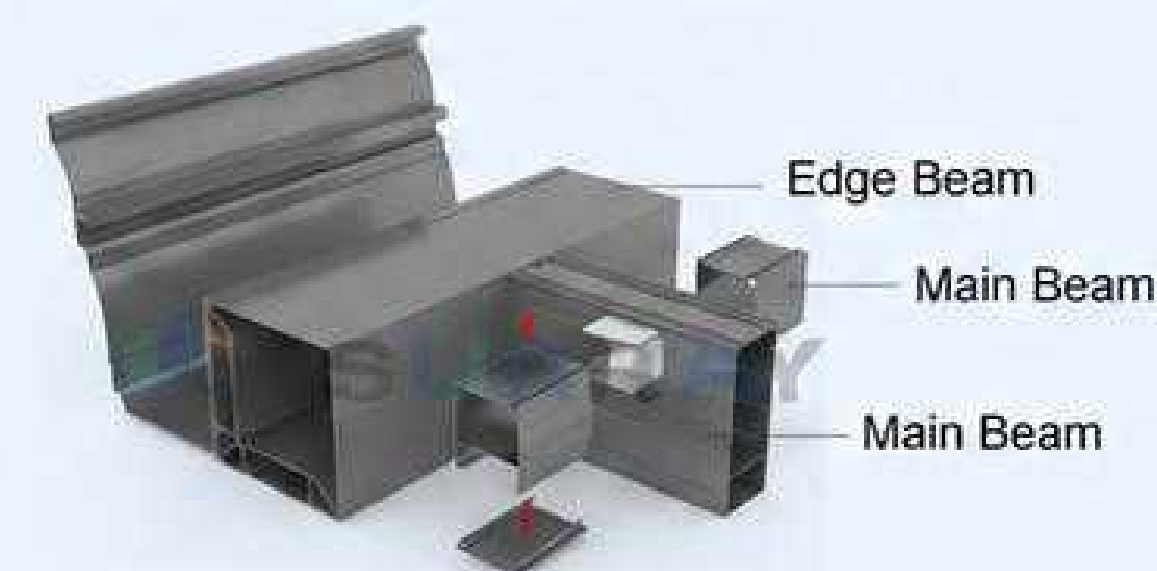
② Turn complex engineering into simple assembly  
get your custom sunroom in no time.

## Our splicing method

- ✓ Standardized Profile Joining
- ✓ Screws precisely secured



Connection between the column and the base



Main beam, secondary beam and water-stopping edge



## Other splicing methods

- ✗ High welding difficulty, prone to detachment
- ✗ High-temperature blackening, prone to rusting later





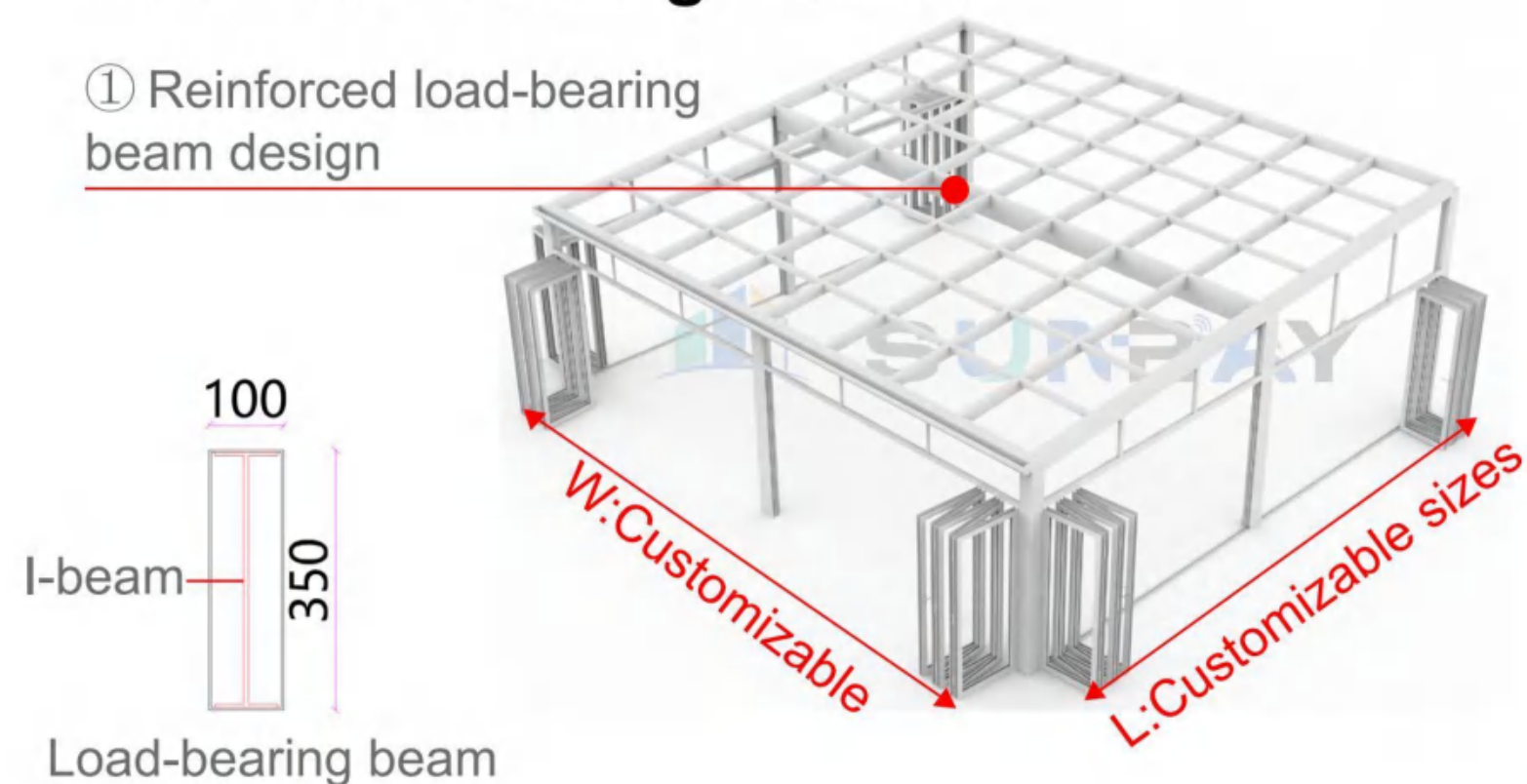
# Large-scale Space Design

A column-free expanse a realm of freedom within the sunroom

No interior columns create an open layout for flexible design, accommodating gatherings, workouts, and tea ceremonies with ease—all while embracing your vision of a sun-filled life.

## Roof load-bearing method

① Reinforced load-bearing beam design



② Truss load-bearing distributes the load



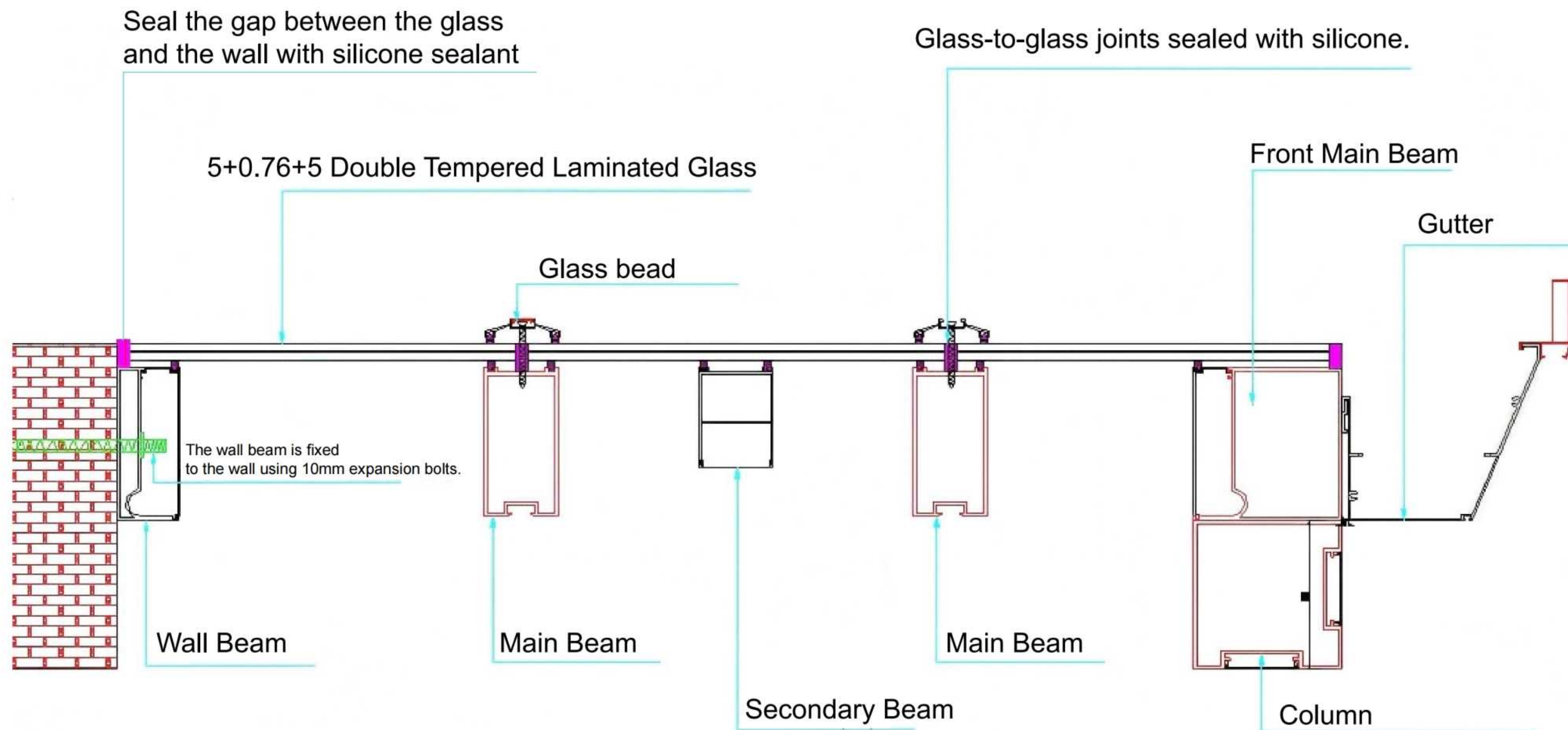


# Detailed Diagram of Connection Nodes

## Cantilever Span Capability:

Standard (5+0.76+5 DTL): Max. 4.0m recommended.

Reinforced (w/ 100\*50\*3.0 Steel Liner): Up to 6.0m achievable.





# Fully customizable

|                                                                         |
|-------------------------------------------------------------------------|
| Dimensions: Customizable, no restrictions on length or width            |
| Shape: Irregular shapes supported                                       |
| Suitable Locations:                                                     |
| Residential: Balconies, patios, courtyards, rooftops, sunken courtyards |
| Commercial: Restaurants, cafes, bars, skylights                         |
| Climate: Withstands extreme temperatures and weather conditions         |

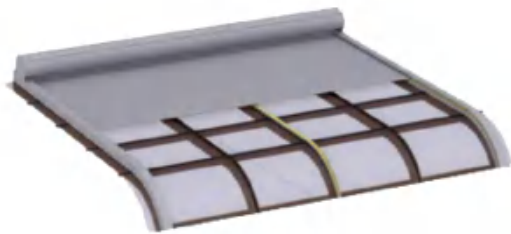
## LED strip light



## Ventilator



## Optional sunshade



Aluminum Roller Shutters



Honeycomb Blinds



Motorized Sun Shades

## Optional Skylight



Retractable skylight



Chain top-hung skylight



Sliding skylight with rail

## Optional Doors and Windows



Siding Glass Door



Swing Glass Door



Folding Glass Door



Swing Windows



Sliding Windows



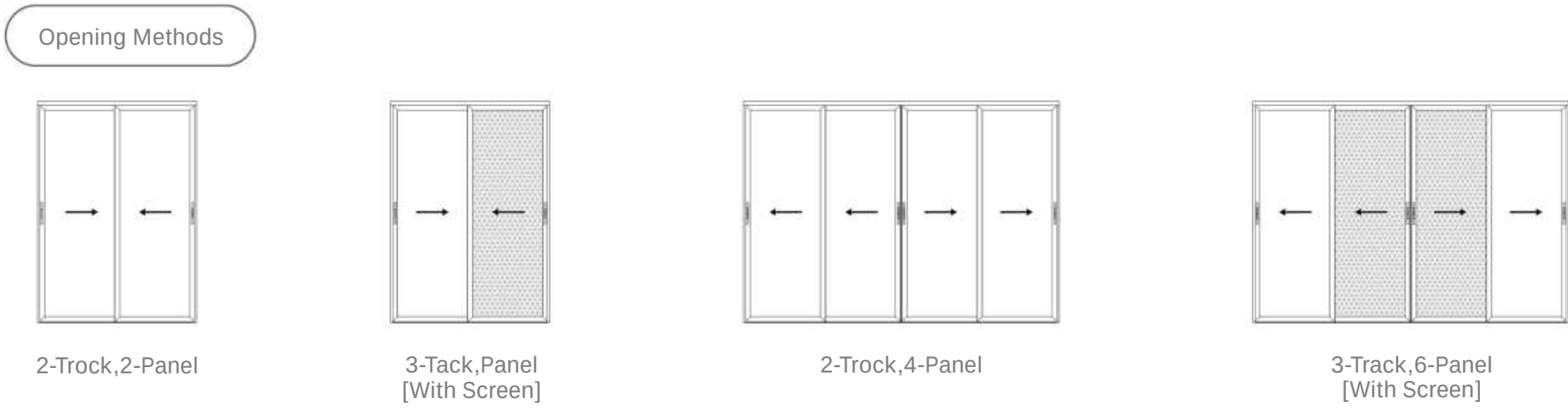
Lift-and-Slide Windows



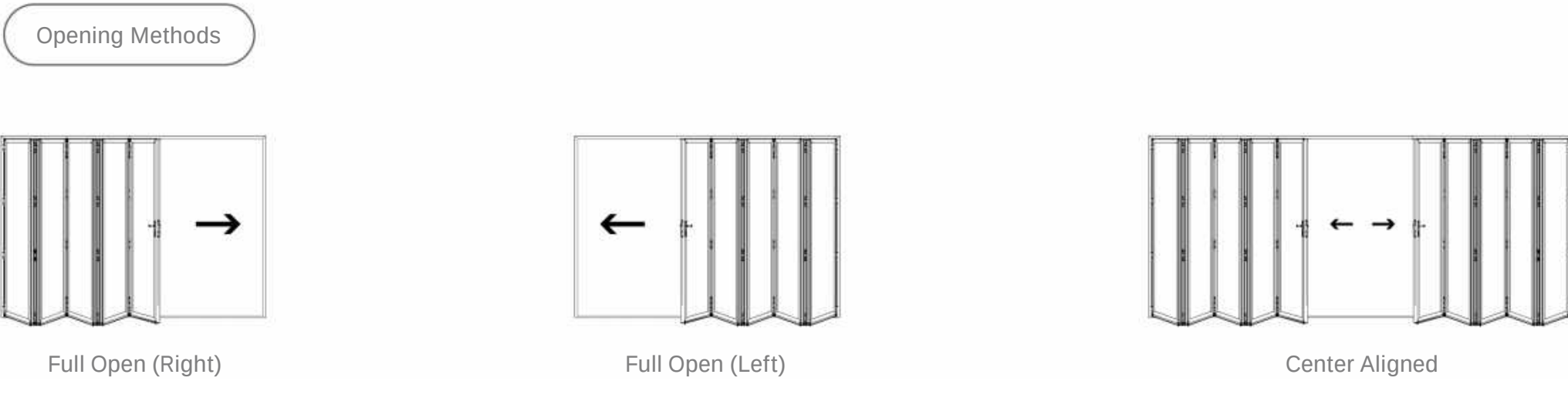
Folding Windows



# Doors & Windows - Glass - Floding



# Doors & Windows - Glass - Sliding



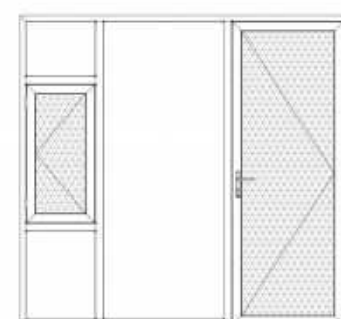


## Doors & Windows -Glass -Swing Doors/Windows

### Opening Methods



Swing Door /Window

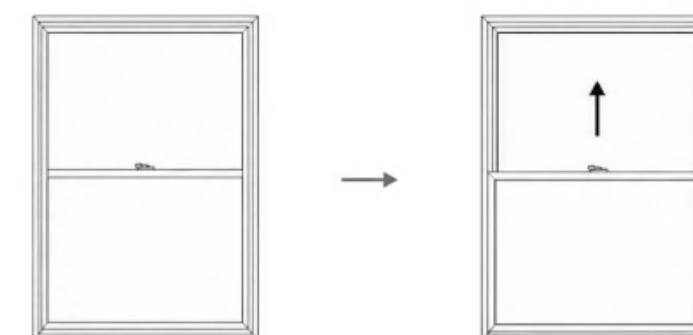


Swing Door /Window [With Screen]



## Windows -Glass -Lift-and-Slide Windows

### Opening Methods



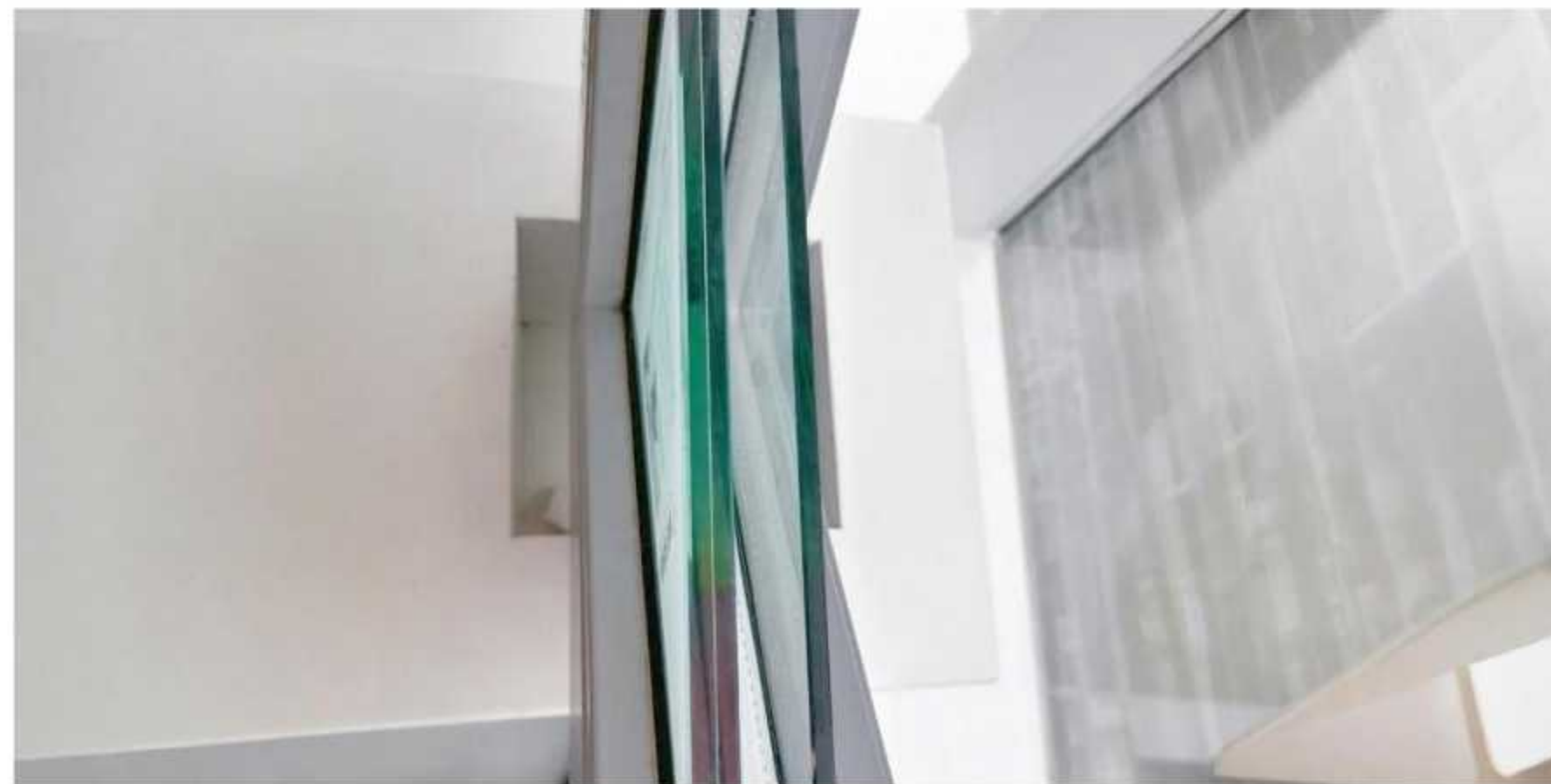
Up-Down Window





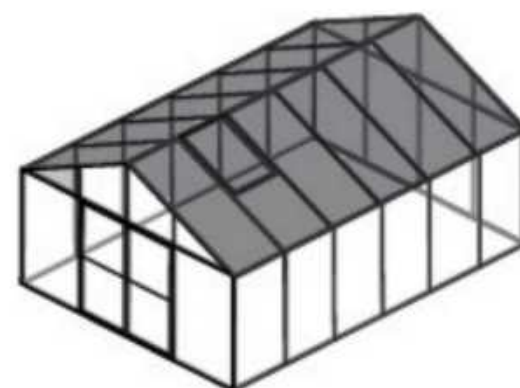
# Covering Material

Full glass, full view, unbound vision



## Laminated tempered glass

1. Blocks 99% UV – stops furniture/fabrics fading
2. Interlayer boosts sound insulation vs regular glass
3. Shattered shards stick to interlayer – lowers injury risk



Application location  
Top surface

## Glass Standards

### Compliant with GB 15763.3 (Laminated Glass)

China's core mandatory standard defining impact resistance, penetration resistance, and post-breakage adhesion to ensure no falling glass hazards.

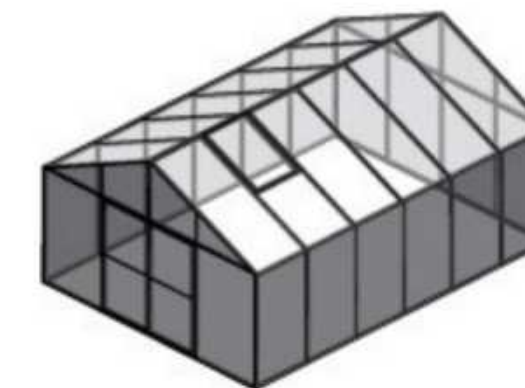
### EN 14449: Laminated Safety Glass

Complies with European standards for structural integrity and safety performance.



## Hollow tempered glass

1. Less heat transfer → energy-saving
2. Noise reduction: 30-44dB
3. Anti-condensation
4. Better wind resistance (vs single-pane)



Application location  
Facade

## Custom Colors



Light Gray



Medium Gray

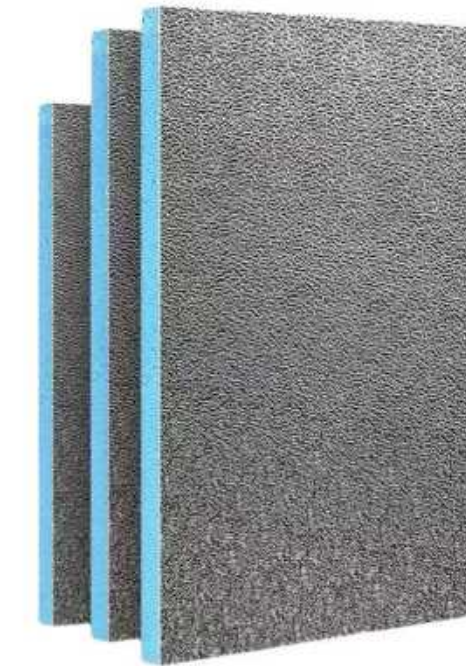


Dark Gray



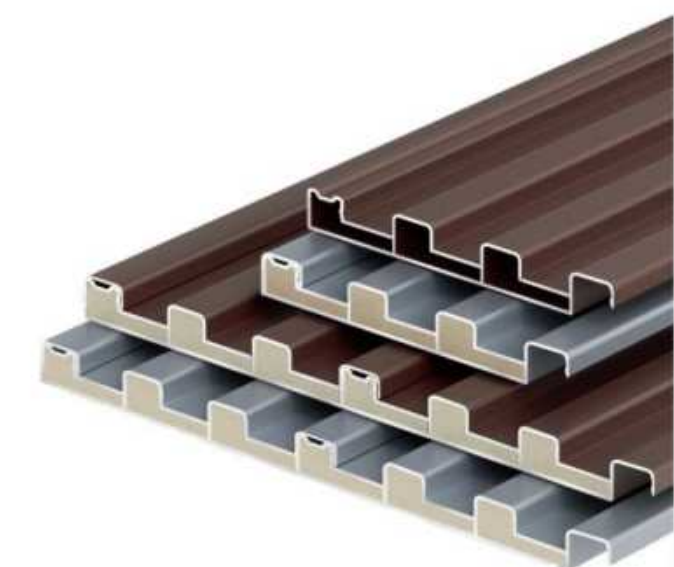
Medium Tea Brown

Customize your glass color to your heart's content, thoughtfully add privacy film, and create your own private sunlit space.



## Insulation board

- Low thermal conductivity
- wide temperature tolerance
- High compression resistance
- Excellent fire resistance



## Great Wall Panel

- Thermal Insulation & Energy Efficiency
- 30-44dB Noise Reduction
- Anti-condensation
- Superior Wind Resistance vs Regular Glass



# Tempered Laminated Glass Specifications

Why must it be used on the roof of a sunlit house?

## 01

### Core Protection

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#### Eliminate Falling Glass

---

Designed for high-rises, the PVB interlayer acts as a safety net. Even if both glass layers shatter under extreme impact, the film holds fragments firmly in place, preventing the "glass rain" hazard.

## 03

### First Defense

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#### High Impact Resistance

---

The outer tempered layer provides high-strength protection against external forces such as hailstorms and accidental impacts.

## 02

### Redundancy Design

---

#### Explosion-Proof Redundanc

---

Dual-layer structure minimizes risk. If one layer spontaneously breaks (approx. 0.3% chance), the remaining layer and film maintain structural integrity, offering a safe window for replacement.

## 04

### Penetration Resistance

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#### Survival & Evacuation

---

Superior penetration resistance prevents breakthroughs during emergencies, buying critical time for evacuation and rescue.



# Product Accessories



## Rubber strip

- Material: EPDM
- Seal & insulate
- Waterproof & dustproof
- Stable performance (-50℃ to +150℃)
- High resilience (recovers after long-term compression)
- Resists water, weak acid & alkali



## Square steel (Fully Customized)

- Material: Q235 steel
- Function: Mortise-tenon connection for the frame, enhances structural stability
- Connection Position: Main beam to main beam



## Angle Connector (Fully Customized)

- Material: Q235 steel
- Function: Mortise-tenon frame connection enhances structural stability
- Connection Position: Main beam & secondary beam



## Light Strip (Optional)

- Interior lighting
- Variable colors, dimmable & controllable
- Flexible (bendable/cutable/spliceable)
- insulated/waterproof, weather-resistant, durable
- 80%+ energy-saving, 50,000+ hrs lifespan



## Expansion Bolt

- Secure the base
- High load-bearing capacity
- Stable structure, excellent shock resistance
- No pre-embedding required



## Stainless Steel Screw

- Profile splicing
- Rust-proof (moisture/chemical resistant)
- Strong, load-bearing & non-deformable
- -196℃ to 800℃ temperature tolerance
- Glossy, anti-static & safe



# 04.

## CHAPTER 4

### Cases and Services





Canada, Courtyard



Canada, Backyard



Australia, villa courtyard



Uzbekistan, Back Garden of a Villa



America, Villa Corridor





*05* •

# CHAPTER 5

## Color Chart Selection



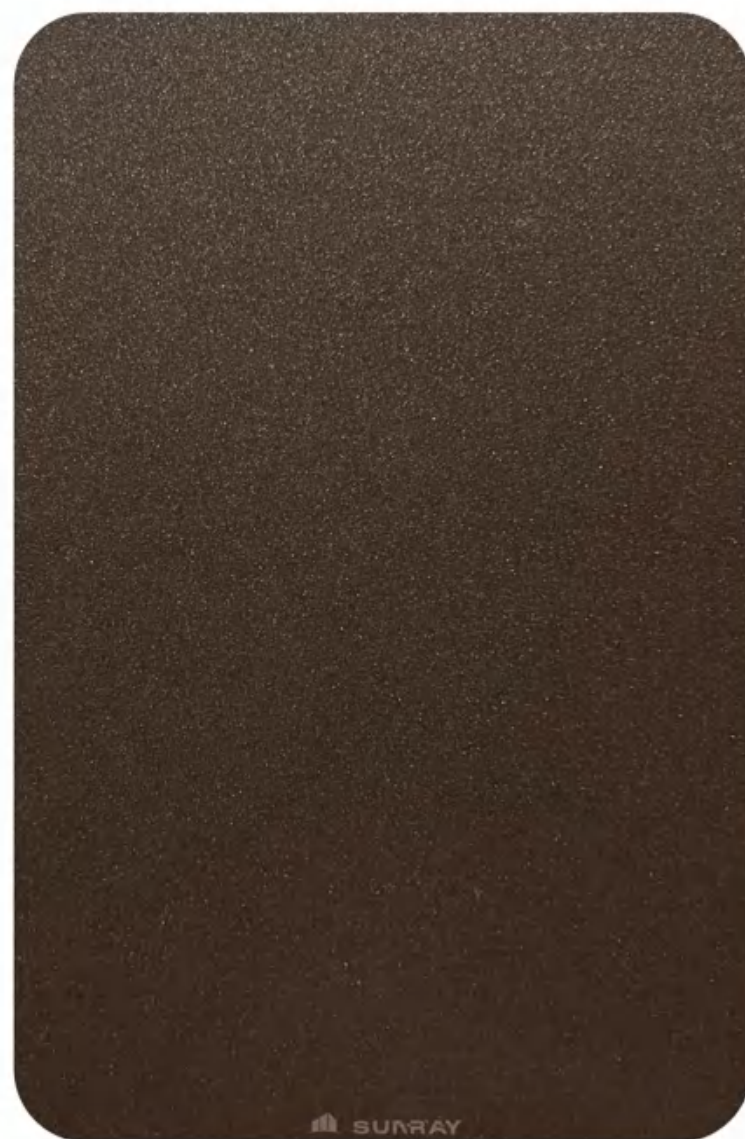


# Selecting Profile Color Swatches

## Free Colors



Black



Metalcoffee



Metal Gray



Sand Gray

## +\$25/m<sup>2</sup> for color option



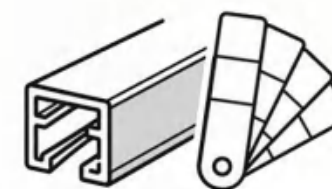
Dark Wood



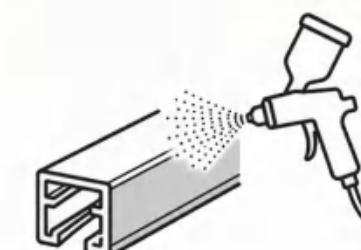
Light wood



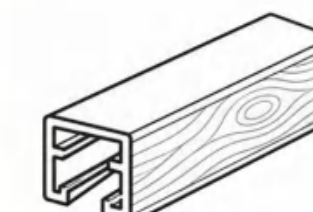
Anodized Finish



Custom RAL Color



Powder Coating



Wood-Grain Finish

**Custom colors are available upon request.**  
Actual colors may vary slightly due to lighting,  
screen display and production batches.







# Fluorocarbon Powder Coating

Fluorocarbon powder coating is a high-performance surface treatment that delivers long-lasting beauty and superior protection for aluminum structures in any environment.



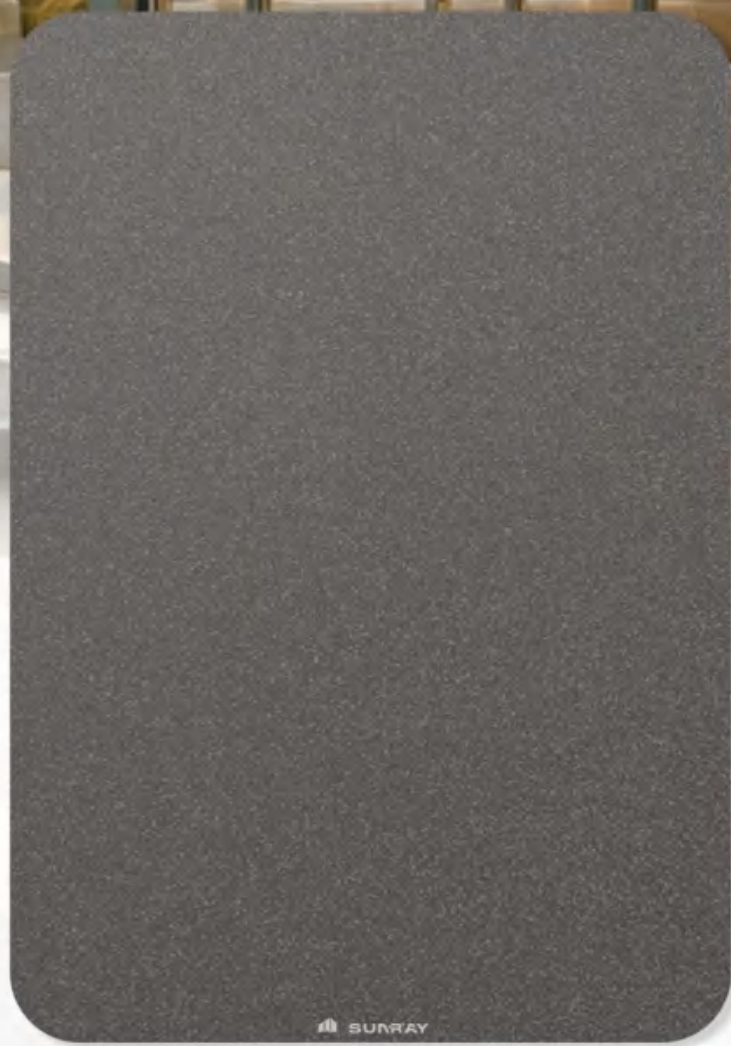
Champagne Gold



Pure White



Forest Green



Graphite Gray

## KEY ADVANTAGES



**Superior Durability**  
Excellent resistance to UV, corrosion, and extreme weather conditions.



**Long-Lasting Color**  
Fluorocarbon technology ensures color stability and resistance to fading.



**Easy Maintenance**  
Smooth surface repels dirt and stains, keeping your structure looking new.



**Eco-Friendly**  
Environmentally safe coating with low VOC emissions.



**High Performance**  
Excellent adhesion and mechanical properties for long-term use.



**High Performance**  
15-Year Warranty We stand behind our coating with a 15-year quality guarantee.

## PRICE

**+\$28 USD**  
per square meter



# Full-range service

Our service takes care of everything for you, so you can relax every step of the way.





# SUNRAY- Product Catalog

Free to expand, bathe in warm sunshine.



Website



WhatsApp

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LIMITED COMPANY