

Double Glazed Insulated Glass Units

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The advertisement features three hollow glass units in the foreground, showing their internal structure. In the background, a modern building with a glass facade is visible. To the right of the glass units, there are six circular icons with blue symbols and text labels: a flame for 'High temperature resistant', a pencil for 'Scratch resistant', a test tube for 'Corrosion resistant', a recycling symbol for 'More eco-friendly', and a fist for 'Impact resistant'.

HOLLOW GLASS

BETTER COMFORT, LOWER ENERGY

HEAT INSULATION NOISE REDUCTION ENERGY SAVING UV PROTECTION

Product Overview

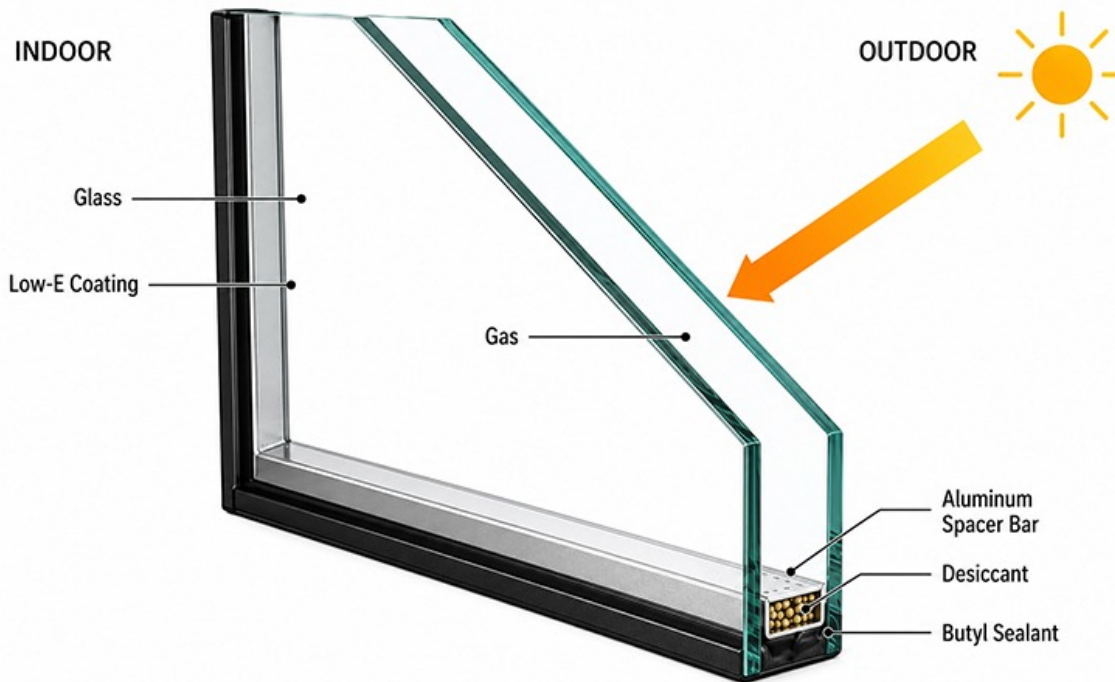
We supply insulated glass designed for commercial building envelopes, industrial facilities, and greenhouse applications. The product is a hollow glass unit constructed from two or more glass panes

separated by a sealed cavity, delivering acoustic and thermal insulation. Target buyer segments include facade contractors, greenhouse project managers, and distributors sourcing glazing for industrial and commercial projects. The defining characteristic is the hollow structure, which creates a dry air or gas gap between panes. This gap interrupts heat transfer and reduces sound transmission, making the glass suitable for curtain walls, windows, and partitions where both energy efficiency and noise control are required. The glass is available in rectangular shapes with customizable patterns and dimensions based on customer requirements.



PRODUCT DESCRIPTION

Insulating glass is composed of two or more glass panes. An aluminum spacer filled with high-efficiency desiccant forms the sealed air cavity, with edges bonded by high-strength sealant. This design keeps the inner cavity dry and optimizes thermal and sound insulation: it lowers outdoor 100dB noise to 55dB indoors with 45% heat shielding, and avoids internal condensation at temperatures above -65°C. Widely used for high-rise facades and villa doors & windows, it adopts heat-treated glass to resist service stress or fully tempered glass for safety protection.



Glass Type	Hollow Glass
Thickness Available	3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 15mm, 19mm, 22mm, 25mm, etc
Color Option	Clear, Low Iron, Super White, Super Clear, Extra White, Starphire, Optiwhite, Euro Grey, Dark Grey, Crystal Grey, Brown, Bronze, Ocean Blue, Ford Blue, Dark Blue, etc.
Size	Custom Sizes, Max: 18000mm L*3660mm H
Tolerance	Normally $\pm 0.2\text{mm}$
Edge Processing	Flat Edge, Seamed Edge, Polished Edge, Bevelled edge, Flat Polished Edge, Round Edge
Irregular Shape	Rectangular, Round, Oval, Trapezoid, Parallel, etc. All edges can be bright polished.
Hole & Notch Available	Countersunk holes, round holes, bell-mouth holes, simple notch, mickey ears cutouts, etc. The edge of hole and notch can be polished by CNC
Trade Terms	EXW, FOB, CIF, DDU, etc
Lead Time	Generally 2-4 weeks, depend on order quantity.
Terms of Payment	30% down payment before production, 70% balance TT at shipment.
MOQ	To be discussed

What Makes This Product Different

Hollow Structure for Acoustic Control

The sealed hollow cavity between glass panes acts as a barrier that reduces sound transmission, making it effective for commercial buildings located near traffic or industrial noise sources.

Thickness Range from 2mm to 600mm

Production supports glass thickness from 2mm up to 600mm, allowing specification for everything from lightweight window units to heavy-duty facade panels.

Custom Dimensions and Patterns

Dimensions are produced to customer request, and pattern customization is available, enabling project-specific sizing and visual design.

Heat and Durability Properties

The product is rated as heat-resistant and durable, which supports long-term performance in exposed commercial and industrial environments.

Engineering Solution Support

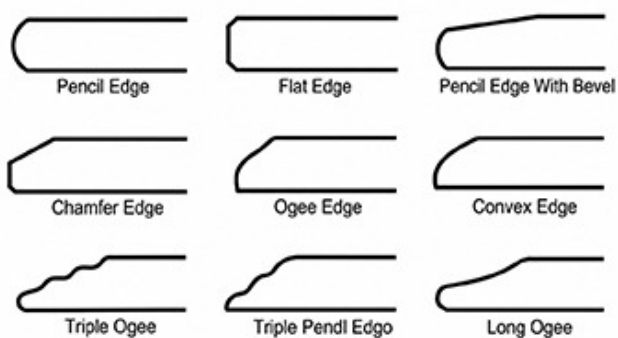
Our factory provides overall solutions, 3D modeling design, and graphic design support to assist with project integration.

CUSTOMIZED SERVICE

We provide professional bespoke glass customization service to meet diverse project and personal design requirements.

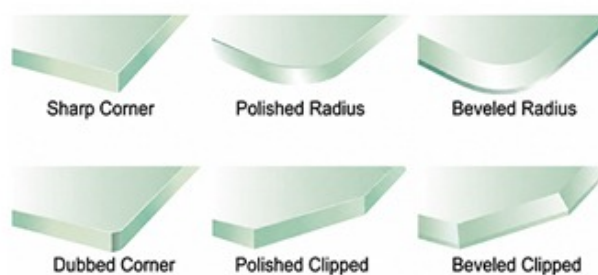
01

EDGE PROCESSING



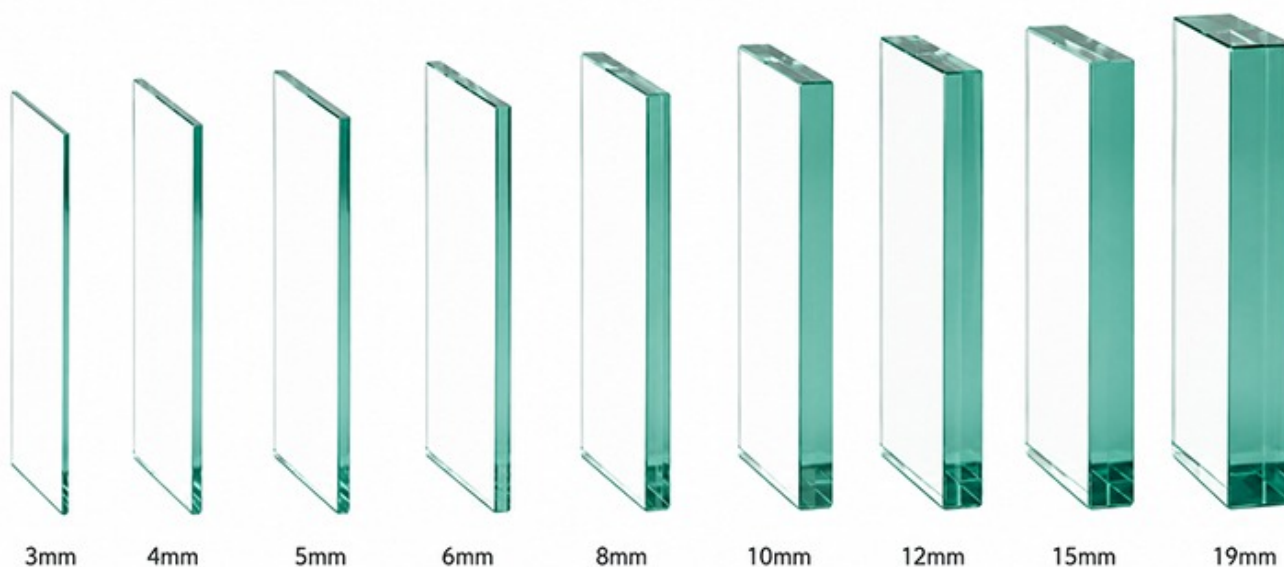
02

CORNER PROCESSING



01

CUSTOM GLASS THICKNESS



Specifications

Material
Structure
Thickness

Glass
Hollow (insulated glass unit)
2mm-600mm

Shape	Rectangular
Color	Customized Color
Dimensions	Customer's Request
Pattern	Customizable
Features	Durable, Smooth, Heat-resistant, Eco-friendly
Warranty	5 years or more
After-sales Service	Return and exchange, on-site inspection
Engineering Solution Capability	Overall solution, 3D modeling design, graphic design
Application Scenarios	Industrial, supermarket, leisure venues
Use	Industrial, greenhouse, curtain wall
Origin	Shandong, China

PRODUCT DISPLAY

BETTER COMFORT PERFORMANCE

GREATLY REDUCES HEAT TRANSFER AND OUTSIDE NOISE



Hollow glass creates a sealed air layer between two glass panels, helping reduce heat transfer and block noise transmission. It keeps indoor spaces quieter, more comfortable, and more energy-efficient all year round.

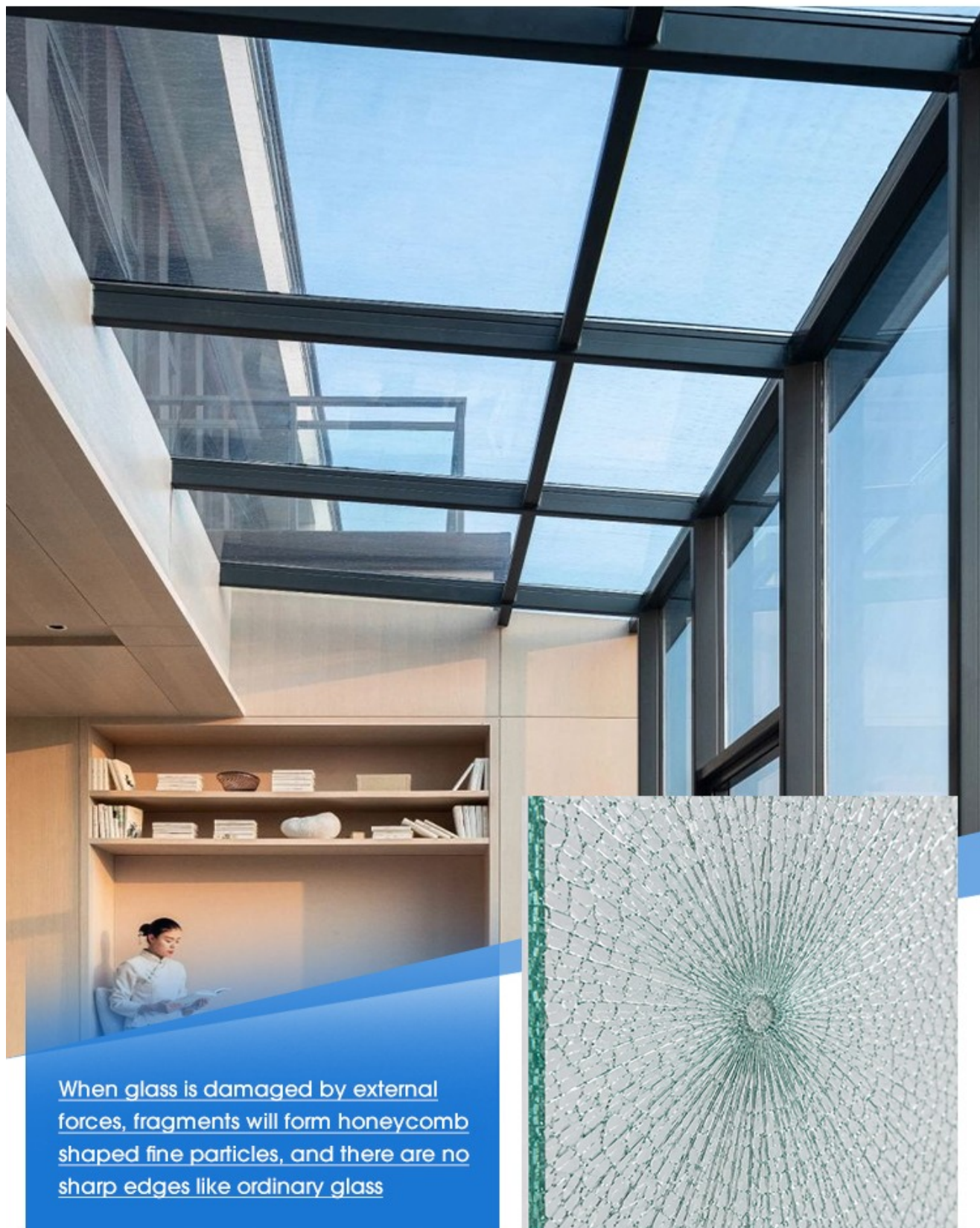
Key Performance Details

Parameter	Performance Implication	Best For
Thickness Range (2mm-600mm)	A wide thickness range allows the same production line to serve lightweight window units and heavy facade panels, giving specifiers flexibility without changing suppliers.	Projects requiring varied pane thicknesses, such as mixed-use commercial buildings with both interior partitions and exterior curtain walls.
Acoustic Insulation	The hollow cavity reduces sound transmission, which is critical for buildings near highways, airports, or industrial zones where indoor noise levels must be controlled.	Commercial buildings, hotels, and offices in high-noise urban environments.
Heat Resistance	Heat-resistant properties help maintain structural integrity and thermal performance in applications exposed to solar gain or high ambient temperatures.	Greenhouses, industrial facilities, and sun-facing facades.
Custom Dimensions and Patterns	Non-standard sizes and patterns eliminate the need for on-site cutting, reducing waste and simplifying project logistics.	Customer's Request
Warranty (5+ years)	A warranty period exceeding five years signals confidence in seal durability and long-term performance, lowering replacement risk for asset managers.	Long-term commercial leases and institutional buildings.



BETTER PROTECTIVE PERFORMANCE

GREATLY REDUCES THE THREAT TO PERSONAL SAFETY



When glass is damaged by external forces, fragments will form honeycomb shaped fine particles, and there are no sharp edges like ordinary glass

Applications

Industry	Use Case	Why This Product Fits
Commercial Building Facades	Curtain walls and exterior glazing for offices, retail centers, and mixed-use towers.	Insulated glass reduces heat transfer and external noise, improving energy efficiency and occupant comfort in large commercial envelopes.
Industrial Facilities	Windows and partitions in factories, warehouses, and processing plants.	Heat resistance and durability support performance in environments with temperature fluctuations and industrial activity.
Greenhouses	Glazing panels for controlled-environment agriculture.	The hollow structure provides thermal insulation, helping maintain internal temperatures and reduce heating costs.
Supermarkets and Leisure Venues	Storefront glazing, interior partitions, and acoustic barriers.	Acoustic insulation improves the shopping and leisure experience by reducing external noise intrusion.



How This Product Compares

Dimension	This Product	Alternative
Acoustic Performance	Hollow cavity reduces sound transmission	Single-pane glass offers minimal noise reduction
Thermal Insulation	Sealed air gap limits heat	Single pane allows direct heat

Customization	transfer Thickness 2mm-600mm, custom dimensions and patterns	conduction Limited standard sizes and thicknesses
Warranty	5 years or more	Typically 1-2 years for standard glazing

PRODUCT DETAILS

01

MULTIPLE THICKNESS OPTIONS

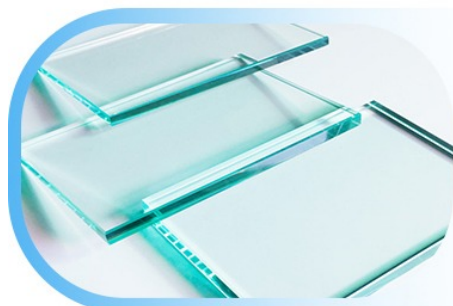
5/8/10/12/15 millimeters, choose thickness according to personal needs, please contact our customer service for customization



02

GOOD STABILITY

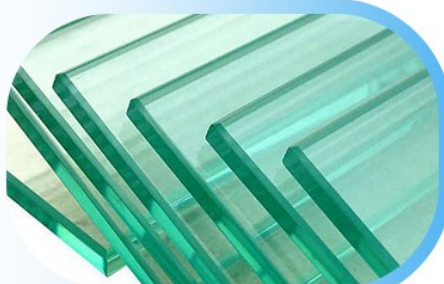
It has good thermal stability, three times the temperature resistance of ordinary glass, and can withstand a temperature difference of 300 °C.



03

HEAT-RESISTANT

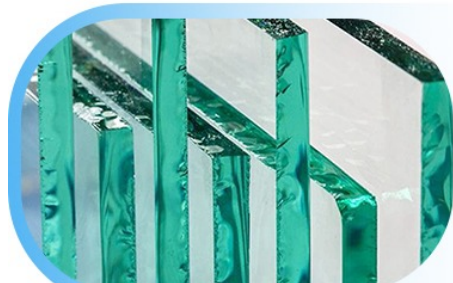
It has characteristics such as transparency, fire resistance, sound insulation, and impact resistance. Easy to clean - scratch resistant, strong load-bearing capacity, and not easily damaged



04

HIGH-TRANSMITTANCE GLASS

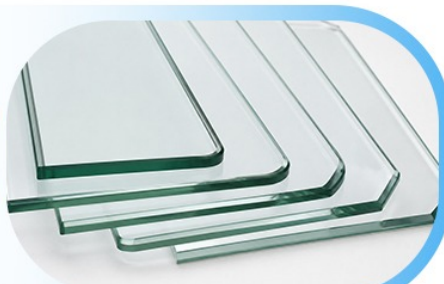
99% transparency, delicate texture, high-definition transparency, every piece of glass is a work of art.



05

MULTIPLE CORNER OPTIONS

Customizable square, circular, trapezoidal, hexagonal, spliced tempered and other special shaped glass.



06

OPTIONAL COLORS

Ordinary white glass, ultra white glass, brown glass, black and white painted glass, ultra white painted glass frosted glass, etc.



Customization Options

Customizable Aspects

Material options include various glass types; Pantone color matching is available; dimensions are produced to customer request; logo application methods such as etching or printing can be applied.

Pattern and Design

Patterns are fully customizable, allowing alignment with architectural or branding requirements.

Engineering Support

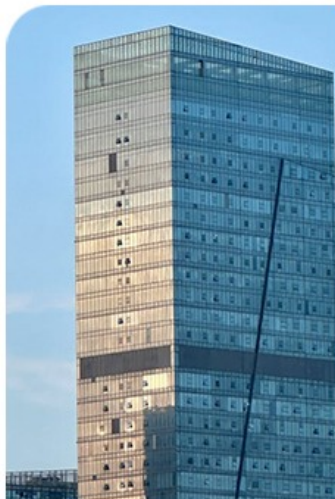
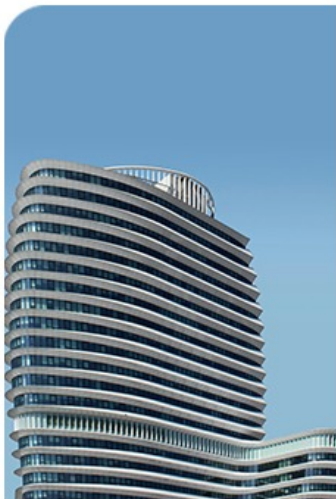
Our factory offers overall solution design, 3D modeling, and graphic design assistance for project-specific integration.

Packaging Customization

Packaging can be tailored to project needs, including standard export packaging and retail-ready options.

PROJECT CASE

We offer high-quality customized services to global customers, whether you are an owner living in the property, a retailer, or a construction company. We have been involved in numerous successful projects worldwide.



Packaging & Shipping

Our factory provides standard export packaging designed to protect glass during transit, with options for retail-ready boxes or display packaging. Eco-friendly packaging materials are available upon request. Shipping methods are coordinated based on order volume and destination, with support for both FCL and LCL shipments.

MORE PRODUCTS

More premium glass options to meet your diverse needs



Why Work With Us

Thickness Range Expertise

Our production capability covers 2mm to 600mm glass thickness, allowing us to fulfill diverse project specifications without outsourcing.

Engineering Solution Support

We provide overall solutions, 3D modeling, and graphic design to assist with integrating insulated glass into complex building systems.

Customization at Scale

From custom dimensions and patterns to color matching and logo application, our factory supports OEM projects with flexible production runs.

After-Sales Service

We offer return and exchange policies plus on-site inspection support to address performance concerns after delivery.

Specifications

SKU	108459730912
Category	Products & Modules, Hardware & Accessories

Get a Quote

For factory-direct pricing, samples and lead times, contact our project team.

Company	JuSen Doors & Windows Manufacturing Co., Ltd.
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Website	https://doorwoodendoors.com/
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