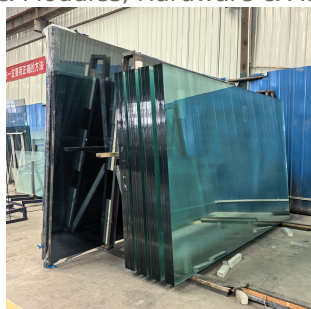


Insulated Glass Unit

SKU: 107815217976 | Category: Products & Modules, Hardware & Accessories



Product Overview

We supply insulated glass units designed for curtain wall, greenhouse, and decorative architectural applications. Manufactured from qualified float glass in a hollow, dual-seal construction, these units are built for procurement managers and distributors sourcing glazing for industrial and commercial projects. The 5mm+11Ar+5mm+11Ar+5mm build uses argon gas fill between panes to slow heat transfer, while the double-chamber structure supports both thermal insulation and acoustic performance.



Available in blue and custom colors, with thickness options from 3mm to 12mm and a 5-year warranty, this product addresses the growing demand for energy-efficient building envelopes where noise reduction and low-emissivity performance are specified together.

What Makes This Product Different

Dual-Chamber Argon-Filled Construction

The 5mm+11Ar+5mm+11Ar+5mm configuration creates two separate gas-filled cavities, which reduces conductive heat loss more effectively than a single-chamber unit of the same total thickness.

Combined Acoustic and Thermal Performance

Detected noise-reduction features pair with the argon fill and low-e surface to address both sound transmission and heat transfer in one assembly, useful where facade specifications call for both.

Qualified Float Glass Substrate

The base material is qualified float glass, which provides a smooth, distortion-free surface suitable for visual clarity in curtain wall and decorative applications.

Custom Dimensions and Color

Dimensions are produced to customer requirements and color options include blue, allowing the glazing to match project-specific facade palettes rather than a fixed stock range.

Five-Year Warranty Coverage

A 5-year warranty service term applies to the unit, giving buyers a defined coverage window for seal integrity and performance claims.

Specifications

Product Name	Insulated Glass Unit (中空玻璃)
Material	Qualified float glass
Construction	Hollow, dual-seal insulated glass unit
Model / Build	5mm+11Ar+5mm+11Ar+5mm
Thickness Range	3mm-12mm
Color	Blue (custom colors available)
Dimensions	Made to customer requirements
Surface	Smooth
Feature	Noise reduction (acoustic)
Application	Curtain wall, greenhouse, industrial, decorative
Engineering Solution Capability	Total solution
Warranty Service	5 years
Place of Origin	Shandong, China

Best sillicion sealant maker

Best quality & high
performace low-e coating

Hermetically double sealed

Neat sealant work

Aluminum sapcer bar
Warm edge space bar
Stainless steel space bar



Insulated Glass



Insulated Laminated Glass



Laminated Insulated Glass



Double lamired Insulated Glass



Triple Insulated Glass



Triple laminated Insulated Glass

Key Performance Details

Parameter	Performance Implication	Best For
5mm+11Ar+5mm+11Ar+5mm build	Two 11mm argon-filled cavities separate three glass panes, slowing heat conduction and improving thermal resistance versus a single-cavity unit.	Curtain wall and greenhouse envelopes where thermal control is specified.
Noise reduction feature	The multi-pane, gas-filled assembly increases the mass and decoupling between panes, which reduces airborne sound transmission.	Buildings near traffic, industrial equipment, or other continuous noise sources.
Qualified float glass	Float glass offers uniform thickness and a smooth surface, which supports optical clarity and consistent sealing in the unit.	Decorative and visible facade glazing where clarity matters.
3mm-12mm thickness range	Pane thickness can be selected to balance structural requirements, weight, and acoustic or thermal targets for each project.	Projects with varying span, wind load, or performance requirements.

Argon Gas Fill: Argon is a denser, less conductive gas than air, so filling the cavity slows heat transfer and helps reduce condensation risk on the cold side of the unit. Dual-Seal Edge: A hollow insulated unit relies on its edge seal to keep moisture out and gas in; the sealed cavity is what maintains both thermal and acoustic performance over time.

Applications

Industry	Use Case	Why This Product Fits
Curtain Wall Facades	Exterior glazing for commercial and industrial buildings.	The dual-chamber argon build and smooth float glass surface suit large-format facade panels requiring thermal and acoustic control.
Greenhouse & Horticulture	Glazing for controlled-environment growing structures.	Insulated units reduce heat loss through the envelope, which supports temperature stability in greenhouse environments.
Industrial Buildings	Window and partition glazing in manufacturing or processing facilities.	Noise-reduction properties help limit sound transmission from equipment-heavy interiors.
Decorative Architectural Glazing	Feature glazing where blue or custom-tinted glass is specified.	Color options and smooth surface allow the unit to serve a visual role as well as a performance role.

How This Product Compares

Dimension	This Product	Alternative
Cavity configuration	Two argon-filled cavities (dual chamber)	Single cavity, often air-filled
Thermal path	Three glass panes with two gas gaps	Two glass panes with one gap
Acoustic behavior	Multiple decoupled panes reduce sound transmission	Single gap offers limited acoustic decoupling
Glass substrate	Qualified float glass, smooth	Varies; surface quality may be

Dimension flexibility

surface
Made to customer requirements

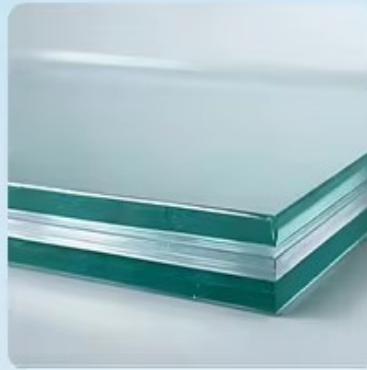
less uniform
Often limited to standard stock sizes



Other Products Recommended



Tempered Glass



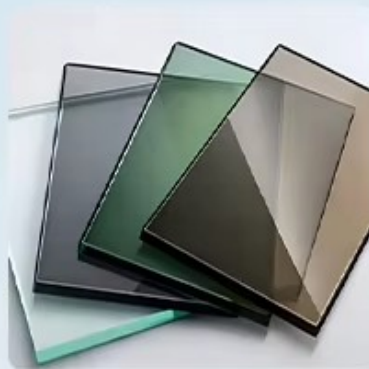
Laminated Glass



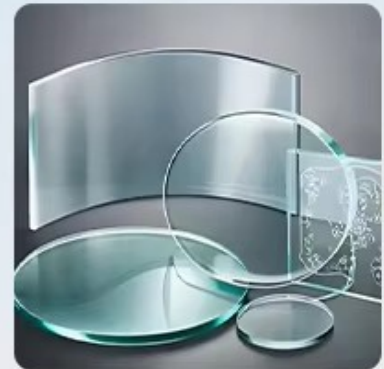
Low-E Glass



Ultra Clear Glass



Tinted Glass



Custom Made Glass

Customization Options

Customizable Aspects

Dimensions are produced to customer requirements, and pane thickness can be selected within the 3mm-12mm range to match project performance targets.

Color Matching

Blue is a standard option, with additional colors available for facade coordination; color selection should be confirmed against the intended glazing specification.

Build Configuration

The 5mm+11Ar+5mm+11Ar+5mm build can be reviewed against project requirements for cavity

width and pane thickness.

Engineering Support

Total solution capability is offered, meaning the unit can be specified as part of a broader glazing package rather than as a standalone pane.

Packaging & Shipping

Insulated glass units are packed for transport with edge protection and separation between panes to limit contact damage during handling and transit. Packaging format can be aligned to project requirements, and units ship from Shandong, China. Because the product is made to customer dimensions, packaging is planned around the confirmed order specification.

Why Work With Us

Insulated Glass Manufacturing Focus

Our factory produces insulated glass units using qualified float glass and a dual-chamber argon-filled build, matching the specification requirements of facade and greenhouse projects.

Made-to-Order Dimensions

Production is organized around customer-required dimensions and thickness selections within the 3mm-12mm range, rather than a fixed stock catalog.

Total Solution Capability

We support glazing projects as a total solution, which helps buyers coordinate unit specification across multiple application areas such as curtain wall and industrial glazing.

Defined Warranty Term

A 5-year warranty service term applies to the product, providing buyers with a clear coverage period for the supplied units.

Specifications

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Get a Quote

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

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