

Architectural double glazed units/insulated glass

Introduction of Morn double glazed units/Insulated glass

Architectural Insulated Glass Units(double glazed units):

Insulated glass,also named insulated double glazing,double glazed panels,or double glazed units,it's made with 2 lites of single piece glass,clear/tinted/low-E coated/laminated etc and spacer(aluminium,steel,warm edge) ,as well as other accessories(desiccant,silicon)to create a insulated structure glass.

The air space between 2 piece glass will increase the thermal insulation performance of the glass and decrease the overall glass U value from 5.84W/m².K to below 2W/M².K.When filling argon inside the glass,and using triple glazed units with 2 piece low-E glass,the Uvalue can decrease once again to Min 0.6W/M².K.

Insulated glass is widely used in modern architectural glass facade,unitized glass curtain wall,facade cladding to maximum the energy saving performance of the glass.



Architectural double glazed units can be enhanced in several methods:

- ◆ Appearance enhancement Enhancement- Appearance
- ◆ Color Enhancement Enhancement- Color
- ◆ Strength enhancement Enhancement- strengthen
- ◆ Performance Enhancement Enhancement-Performance

Features:



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Your turnkey China tempered glass/laminated glass/insulated glass supplier

◆ Acoustic. IGU Reduce at least 30Dbs noise across the glass. Laminated insulated glass with professional sound acoustic PVB film, the reduced noise can be over 40Dbs.

◆ Good thermal insulation: Monolithic glass U value is $5.2\text{W}/\text{M}^2\cdot\text{K}$, while U value of IGU can reach $2.8\text{W}/\text{m}^2\cdot\text{K}$, if high performance low e coatings (for example, solar control low e, Sunguard coated glass) been applied, U value can decrease to below $1\text{W}/\text{m}^2\cdot\text{K}$.

◆ Long lifetime: Insulated glass with structural silicon sealant warranty time is 10 years, actually the IGU lifetime can reach 20-50 years.

◆ Low dew point: IGU dew point can reach -40°C . In cold areas, especially Canada, North European countries, the insulated glass create excellent thermal insulation effect without sacrificing the light transmittance.

Glass performance data:

Morn offers various low-E coatings, from single silver low-E, double silver low-E and triple silver low-E, whatever glass performance you want on your glass, especially Solarban 60, Solarban 70, solarban 90, Xtreme 70/33, the world most popular low-E coatings, we can find matched low-E products in China. Welcome contact us once you got any questions:

Learn more: [Morn-Coated glass performance data](#)

Production capability:

Glass	Thickness	Min Size	Max Size
Insulated Double Pane	12-50mm	300*300mm	10000*3300mm

Cases





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Morn work with reputable China insulated glass suppliers, manufacturers and offer the highest quality insulated glass with single/double/triple silver low-E coatings.

Extend:

factors affecting insulated glass quality

Factors causing glass curtain wall visual distortion

Methods to increase energy efficient performance for windows&doors,curtain wall

The benefits of double glazed units in curtain wall

Materials that affect double glazed units energy efficiency and lifetime

How to select the right energy efficient glass

Factors affect insulated glass performance

The advantage of insulated glass in Glass curtain wall

Warm edge spacer insulated glass production

The reasons for argon leakage of insulated glass

Vacuum glass VS insulated glass

Tags: architectural glass facade, China, China double glazed panels manufacturer, China insulated glass manufacturer, double glazed panels, double glazed units, double glazing, insulated glass, insulated glass manufacturer, low e coated glass, low e coating, manufacturer, thermal insulation, triple glazing

About Morn Building Materials:

Morn Building Materials Co.,Ltd is trading company offering the right facade materials for a wide range of applications for architectural,design and system requirements.Cooperating with China premium glass fabricators,Morn is able to supply whatever glass products applied in facade,Spandrel ,roof ,handrail,partition,balustrade,canopy,greenhouse,sun room ,interior exterior application.

Other facade materials:Aluminium alloy profiles,aluminium plates,aluminium windows&doors,Assa Abloy hardware,spider fitting,railing systems,shower rooms,polyurethane panels,machines&tools,steel structure, are also available since 2019.

From aesthetics, to strict environmental and energy specifications, to critical budget and delivery requirements, our input can make a difference.



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