

5 excellent glass curtain wall systems solutions.



what is glass curtain wall?

Glass curtain wall is also called glass façade, refers to the building envelope structure or decorative structure that has a certain displacement capacity relative to the main structure by the supporting structure system but does not share the load-bearing of the main structure. The wall is available in single or double glazing. Glass curtain wall is a beautiful and novel method of building wall decoration, which is a prominent feature in the era of modernist high-rise buildings. We can call it “the skin of the building”.



What is the benefit using glass curtain wall systems?

Glass curtain wall systems offers exquisite beauty for the architecture. For the exterior, it will manifest like a total mirror, from interior will have a vast scene through the glass. It will give people sense of space and letting in sun shines which can make the whole building much brighter. By using energy efficient glass, the glass curtain wall will save the electricity power etc.

What types of glass is good for curtain wall systems?

Single tempered glass panels :

Single tempered glass panel is the most economic option for curtain wall system. It offers high strength and good looking appearance. But due to tempered glass has a tendency for self explosion for a very little chance(0.3%), Laminated safety glass will be more suggested.



Laminated safety glass panels:

Comparing to tempered glass panels, laminated glass offers higher safety function. Because even tempered glass is broken accidentally, the broken pieces will glue together by the pvb or sgp interlayers in between. If you consider energy saving function, then double insulated glass panels will be suggested.



Double insulated glass panels;

Double insulated glass panels can have good soundproofing function and good visual light whereas lower heat transfer from outside to the inside. Low U value. If you choose a low e coating glass energy saving will be enhance to $U < 1.8 \text{ W/m}^2\text{K}$. This means when you living or working inside, you will feel cooler in summer and warmer in winter.



Triple insulated glass panels;

Triple

insulated glass panels is suggested for places where weather is extremely cold places

like Russia, Canada, New Zealand, Iceland, Norway, etc. As the U value is lower

than $1 \text{ W/m}^2\text{K}$. It will prevent almost all the heat transfer whereas the visual

light is still there.

Argon gas filled in between will enhance the thermal function.



Other functions like [pattern decoration](#) or frosted treatment will also make your curtain wall system special.



Performance for different types of glass curtain wall

Here we provide some typical performance data for reference:



Shenzhen Dragon Glass Co., Ltd

Glass Performance Data

Configuration	Visible light T%	Visible light Rout%	Visible light Rin%	Solar energy T%	Solar energy Rout%	SC	SHGC	MFRC U-Value Sum.	MFRC U-Value Win.	European U-Value	CLX
6mm clear tempered	89	8	8	8	7	0.97	0.84	5.24	5.81	5.73	clear
6mm clear +1.52FVB+ 6mm clear	86	8	8	7	6	0.85	0.74	4.89	5.39	5.34	clear
6mm clear Low e + 12A + 6mm clear	46	22	10	29	24	0.41	0.36	1.82	1.82	1.81	light blue grey
6mm clear Low e + 12A + 6mm clear+ 12A + 6mm clear	41	22	16	26	21	0.37	0.32	1.32	1.38	1.34	light blue grey

Features of Shenzhen Dragon Glass curtain wall systems:

Product name	Glass curtain wall glass systems
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Glass color	Clear, ultra clear, green, blue, bronze, grey, etc
Glass thickness	5~25 mm single pane, multiple layers available.
Certifications	CE & ASTM & BS & ISO9001
Applications	Glass curtain wall, façade, Windows.
Max size	3300*13000 mm
Shape	Flat/curved
Capacity	Tempered glass 5000 SQM/day Laminated glass 1500 SQM/day Insulated glass 2000 SQM/day

Why choose [Shenzhen Dragon Glass](#)?

1. We are one of the most efficient glass manufacturers in China;
2. We have 26 years of glass procession experience, has full experience of quality and cost control for glass curtain wall systems;
3. Most advanced machines making sure our glass quality high;
4. We have strict QC system to guarantee our glass curtain wall products quality.
5. Click video to view [how we manufacture curtain wall glass](#) by Lisec intelligent plant.
6. Strong plywood to make sure our glass products safety during long distance transportation.
7. Multiple certifications like CE & ASTM & SGCC & ISO9001, etc
8. Professional service team to respond in several minutes and solution provided in 24 hours.

What is the glass curtain wall cost?

Different solutions of glass curtain wall will subject different different glass curtain wall price. We will design a perfect solution according to your architecture and budget.

Welcome to consult freely with [Shenzhen Dragon Glass](#).