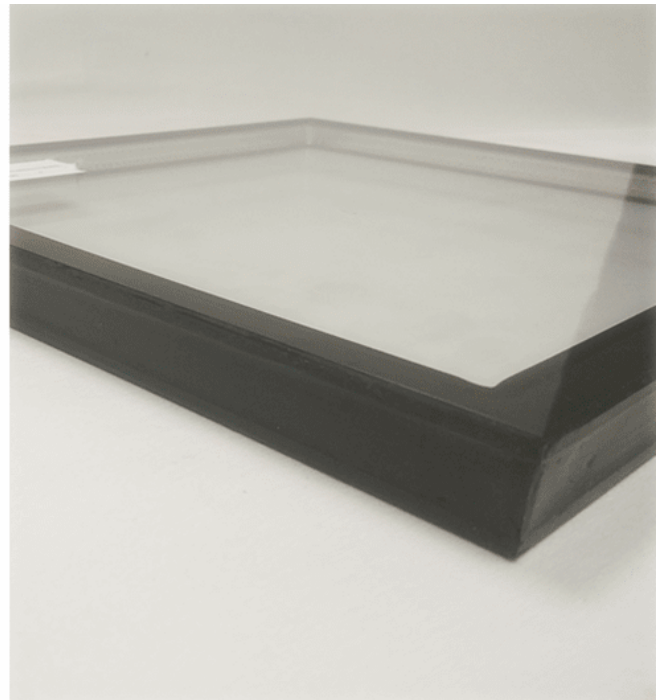
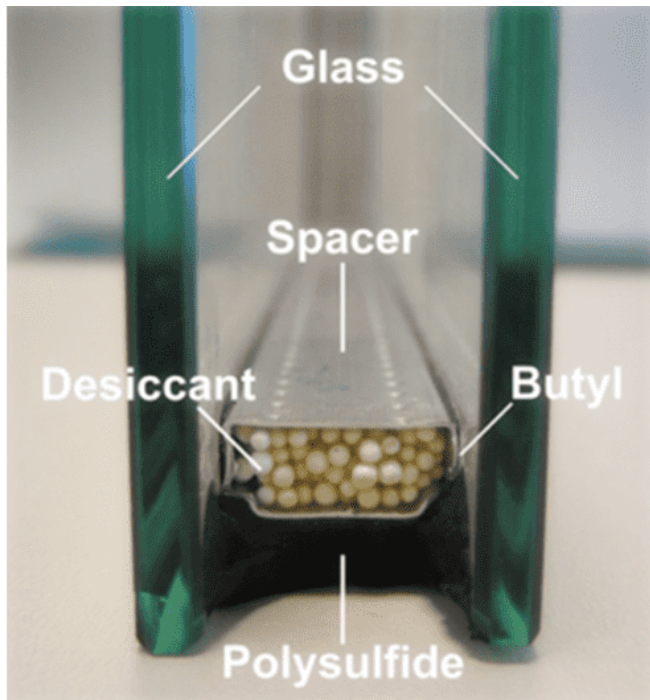


# China 5+9A+5 excellent quality low e double glazed windows energy saving glass suppliers



## 1, What is 5+9A+5 low-e double glazed windows?

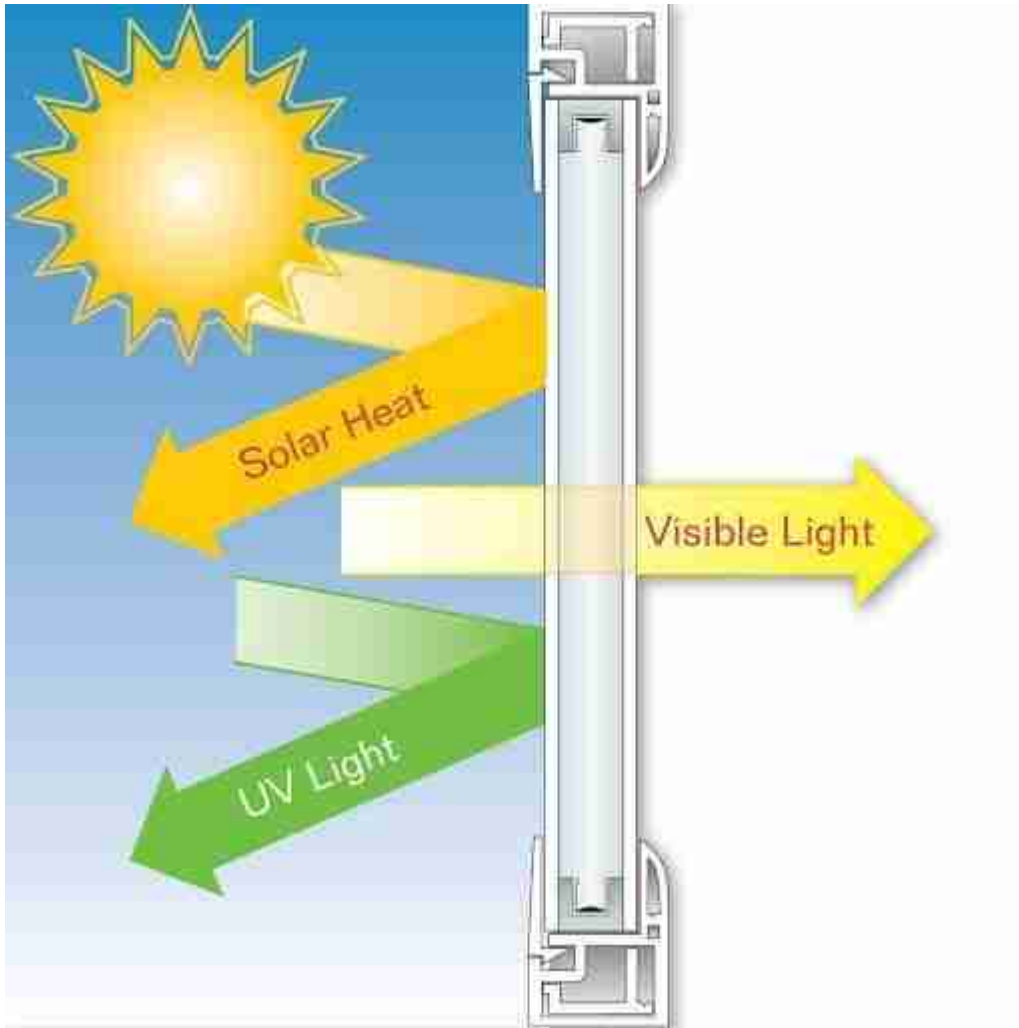
5+9A+5 double glazing glass windows consist of one 5mm low e glass panel and one 5mm tempered glass separated by a 9mm aluminum air spacer. The air spacer is firstly joint with glass with butyl sealant and later double sealed with structural sealant. This kind of structure is to achieve **energy saving function** as well as **soundproofing function**.



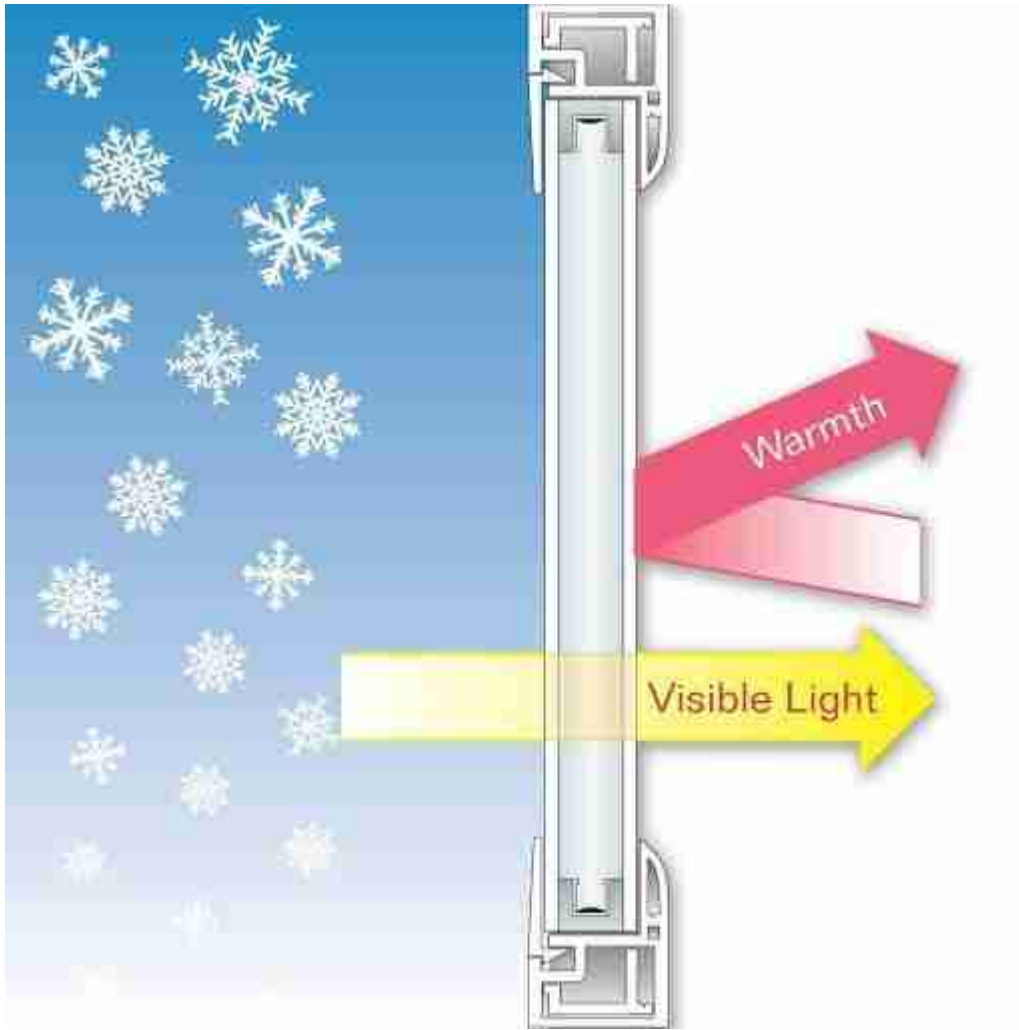
*5+9A+5 low e double glazing windows*

## 2, How do 5+9A+5 low e double glazed windows work?

During the **summer**, solar heat is the main heat source for room temperature, 5+9A+5 low e double glazed windows can reflect most of the solar heat, making the solar light a “**cool light**” and saving the air conditioner power. In the **winter**, the near and the middle far-red flared lights are the main warmth for the room temperature, the 5+9A+5 low e double glazed windows will reflect most of the red flare light inside and **keep warm** interior. As the below picture shows:



*Reflect most of the solar heat in the Summer*



*Keep warm during the cold winter*

### 3, Are double glazed glass windows worth it?

According to a recent inspection and investigation, people found that the double glazed windows can **save electricity** as follows:

Simulation calculation of energy saving effect

Glass position	Area	Solar in Winter		Solar in Summer		5+9A+5 clear double glazed		5+9A+5 low e double glazed	
		Time	Angle	Time	Angle	Power consume (winter)	Power consume (summer)	Power consume (winter)	Power consume (summer)
Skylight	0	4	75	7	85	0	0	0	0
East	1000	3	50	3.5	40	104905	84971	70734	51391
South	1000	3	70	5.5	85	132122	29239	86689	18720
West	1000	4	50	5	40	85517	114057	59368	68441
North	1000	0	-	7	-	163072	17105	104832	11607
Total	4000					485616	245372	321623	150159
Electricity Power(RMB)						730988		471782	

### *Energy saving effect of low e double glazed window*

Let alone double glazed glass windows can have a soundproofing function which can assure you a silent environment for reading and sleeping. Compare the extra cost for Low-E double glazed glass windows with single tempered glass, it is definitely worth it!

## 4, How 5+9A+5 low e double glazed windows are made?

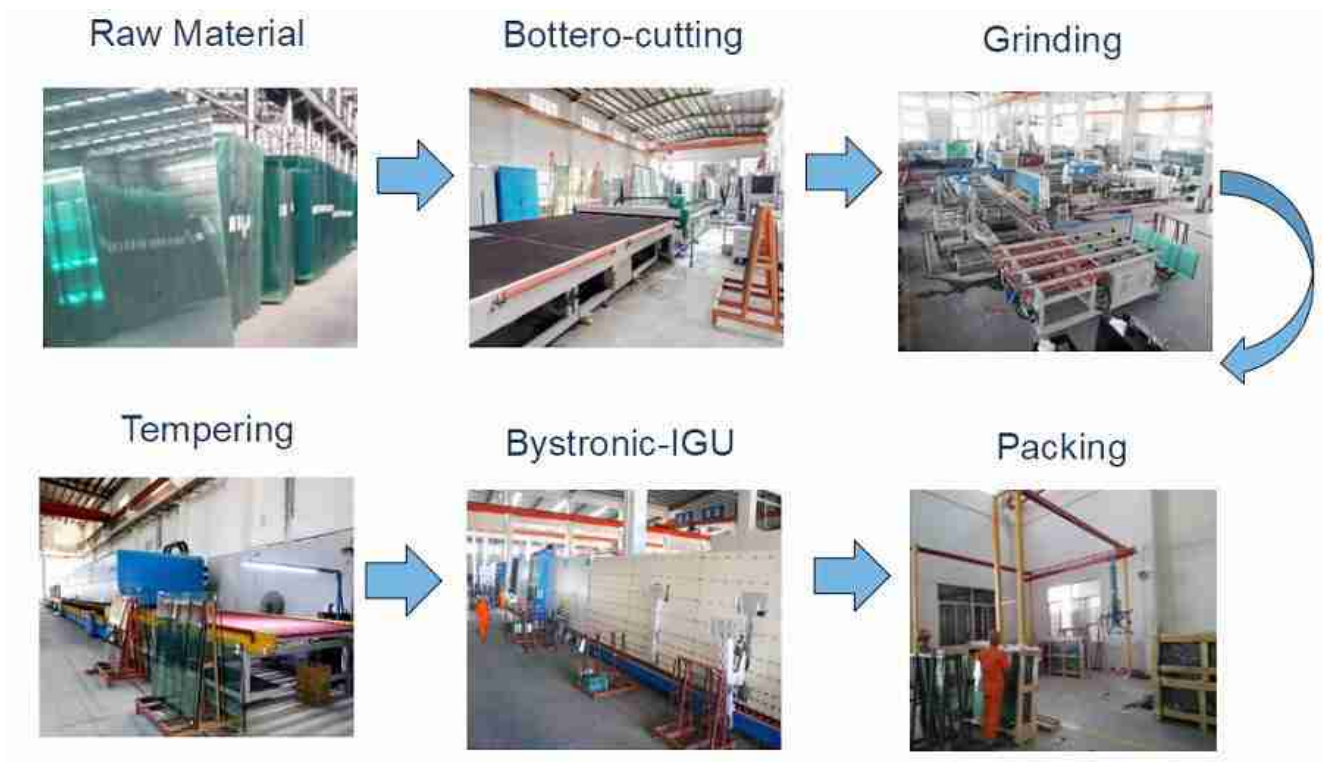
[Shenzhen Dragon Glass](#) as a professional double glazed window manufacturer provides double glazed glass windows processing as follows:

1. Cut the 5mm clear glass and 5mm [low e glass](#) to custom sizes;
2. Do the edgework for the 5mm clear glass & 5mm Low-E glass, sometimes during this process, we will delete the edge film of the 5mm low e glass to ensure no exposure of Low-E film to the air;
3. Transfer the 5mm clear glass to the furnace, and 5mm low e glass as well(the status of the furnace is different);
4. After tempering, both 5mm clear glass and 5mm low e glass are sent to the insulating line for the double glazing process;



5. Strong plywood packing before delivery.

As below picture shows the process in detail:



*Double glazing glass production process*

## 5, How is 5+9A+5 low e double glazed window u value?

**U value is influenced by many factors** such as the Low-E coating types, the substrate glass colors, air spacer, argon or krypton or air, etc.

Below are some typical types of 5+9A+5 low e double glazed glass windows u value 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	NFRC U- Value Sum.	NFRC U- Value Win.
5mm SDG-I+ 9A + 5mm clear	72	10	12	46	18	0.62	0.54	2.05	2.06
5mm SDG-II+ 9A + 5mm clear	62	11	12	40	14	0.57	0.50	2.03	2.04
5mm SDG-III+ 9A + 5mm clear	56	20	10	34	21	0.48	0.42	2.01	2.02
5mm SDG-IV+ 9A + 5mm clear	48	22	10	29	24	0.42	0.37	2.02	2.03
5mm SDG-V+ 9A + 5mm clear	46	29	12	28	31	0.40	0.35	2.03	2.04

*Energy saving glass performance data.*

You could choose the best one for your own building. Or you could contact us to **customize the performance data** as per the architects' requirements.

## 6, How we ensure the 5+9A+5 low e double glazed windows quality?

[Shenzhen Dragon Glass](#) as a professional low e double glazed windows manufacturer since 1994, has a strict quality control system to inspect and test for the double glazed windows products.



### *Low e coating glass QC inspection*

Also, we have a very complete QC team to inspect each process such as cutting, edging, tempering, insulating, packing, etc to ensure no flaws during processing.



### *Testing and inspection during each process.*

Besides, our double glazed glass has passed IGCC & CE certifications.





Therefore we can be [REDACTED] our quality is superb before sending it to our clients.

## 7, How much 5+9A+5 low e double glazed window cost?

5+9A+5 low e double glazed window cost will be influenced by several factors:

- Size:** as it will influence the cutting rate of the raw material, oversize will charge extra;
- Quantity:** larger quantity, lower cost-sharing;

3. [Argon gas](#) injection;
4. **Low-e types**: such as single Low-E, triple Low-E or solar reflective, etc
5. Need aluminum **frames** or not;
6. **Glass substrate colors**: clear, low iron, or tinted glass will be subject to different costs.

Therefore, if you would like to know the accurate double glazed window cost, [welcome to send your inquiry and get a free quotation now!](#)