

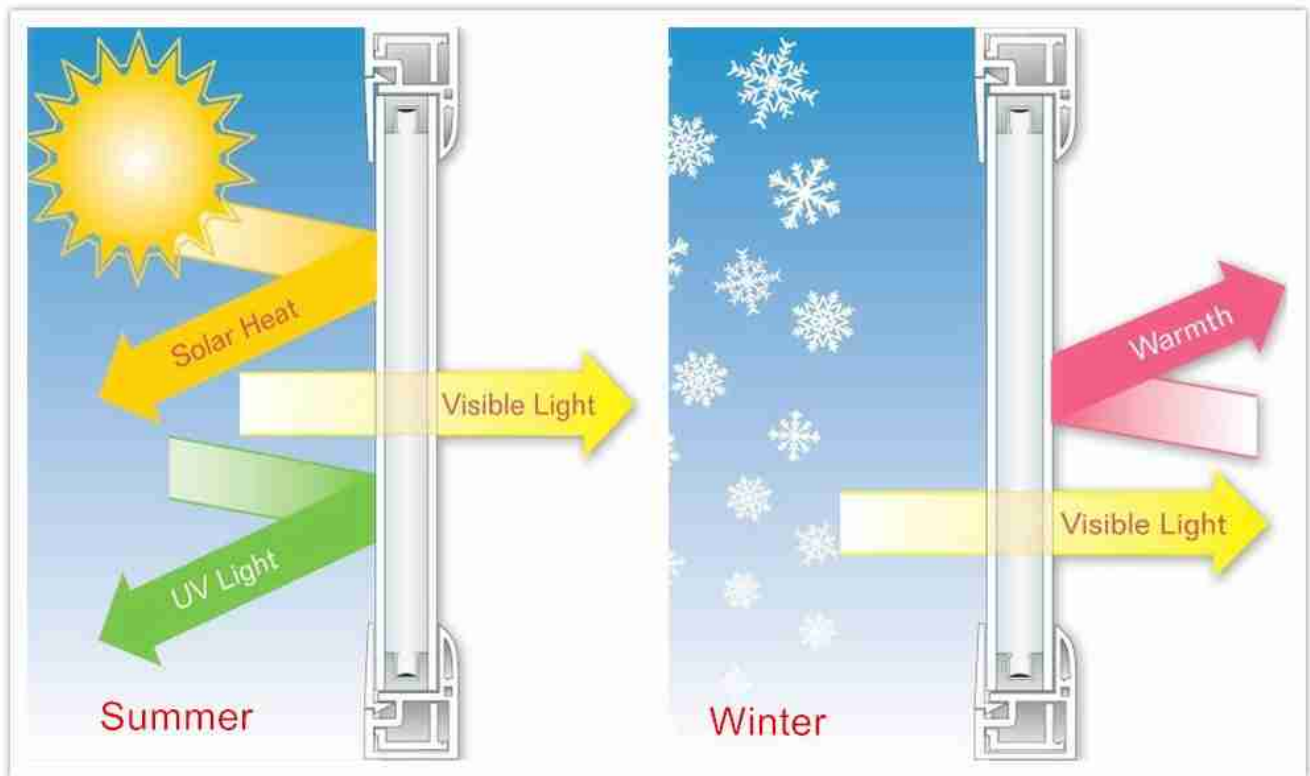
Splendid 24mm double low e window glass cost, Excellent 28mm windows double glass suppliers.



1, What is low e window glass?

Low e window glass is referred to using low e glass as double glass glazing or triple glass glazing for windows products.

Low e glass is one kind of energy saving glass that can help you **isolate the heat from the sun in the summer** whereas letting in the visible light, making the solar light a “cool light”. **In the winter**, the main heat source comes from the interior, low e glass will reflect most of the heat inside thus **keeping warm**.



Low e windows double glass for summer VS winter

Using low e window glass for your house or villa can help you

Meanwhile, when you are using double or [triple glazed glass](#) configuration, you can have a very as well.



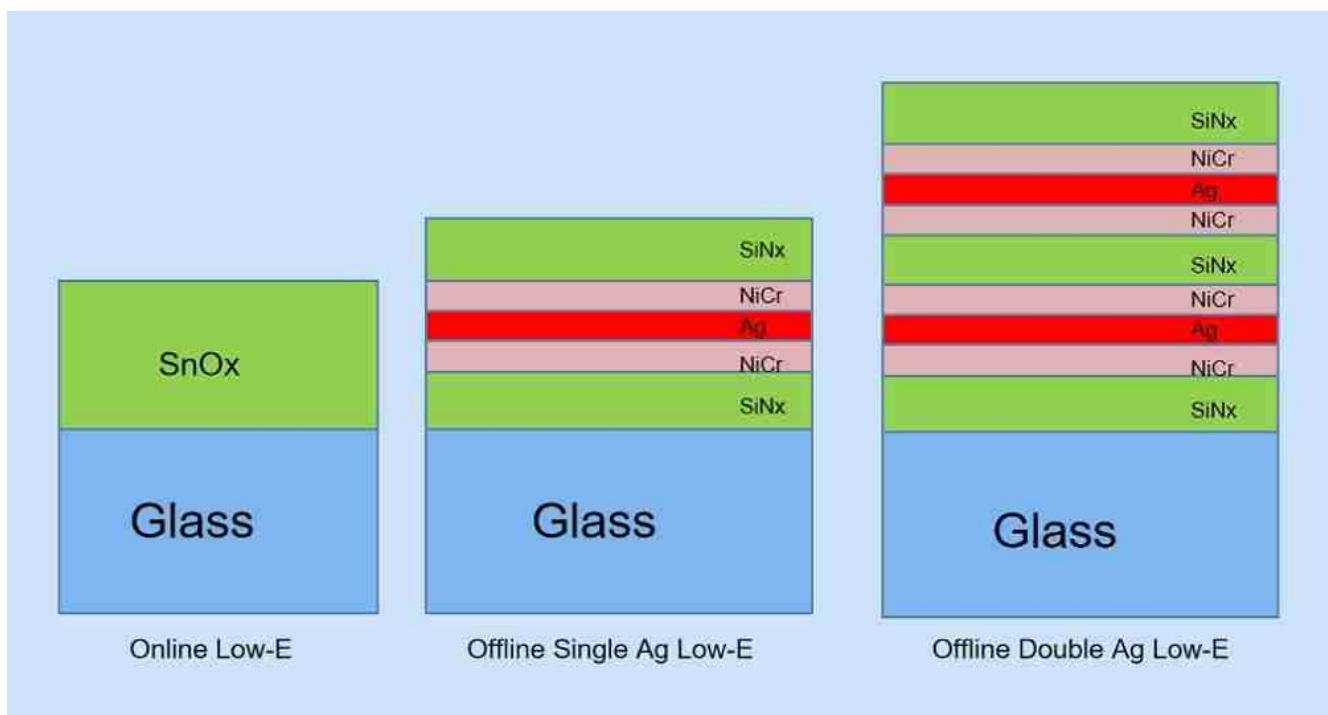
Double glazed low e window glass

2, Types of low-e window glass

Depending on window low e coating types, can be divided into [4 types of low-e window glass](#).

1. [REDACTED]: this type of low e glass windows cost is lower because it can be used as a single tempered low-e glass panel. The coating is hard and has strong resistance against the weather and anti-scratch. But the disadvantage is that its energy saving function is not as good as offline low-e windows glass.

2. XXXXXXXXXX: this type of low e glass window must be used as double glass or triple glass configuration. It can help you get a good energy saving effect and a very good soundproofing function. Its **reflection color can be customized**.
3. XXXXXXXXXX: the silver layer is the function layer for reflecting the heat. Double silver layer low e glass can enhance the energy saving function. While the single low-e double glass window U-value is only 1.8W/m²K, the double silver layer low-e double glass window U-value can reach 1.6W/m²K.
4. XXXXXXXXXX: this type is very rarely used for window projects, mostly it will be adopted in a **very high-end commercial building** where extreme energy saving function is a must according to architects' design.



Online low-e VS single Ag Low-e Vs double Ag Low-e

3, Do low e glass windows look different?

To answer this question, will be very complicated if explain in Physical theory. Let's make it simple here.

Comparing low e window glass color VS clear window glass.

Yes, the color will look different!

If you are using a single silver low-e glass, the film side will usually reflect a purple or reddish appearance against the sunshine(As below shows). When viewing the low-e glass on white paper, it will appear a little grey color.



Purple reflection colors of single low-e glass

If you are using **double silver low-e glass**, the film side will likely show a [REDACTED] when viewed against the solar light. When you place the double low-e glass on the white paper, it will show a green appearance as well.

The **color of the low-e glass will be depended on the coating process**, but compared to the clear glass, low e glass windows will absolutely look very different. The reflection color of low e glass is very obvious.

The low e film side will be placed facing the interior, when viewed from the outdoors, the low e glass will mainly appear light blue or neutral grey or silver grey, etc, depending on client's preference.

4, What should you pay attention to when doing low-e window glass replacement?

Though low-e window glass can provide you with so much convenience if the low-e window glass is broken due to some accidental impact or self-explosion. The low-e window glass replacement will be quite an issue.

Here are some tips which you should pay attention to when you are considering low-e window glass replacement:

- 1. Low e window glass color:** As different coating types or coating codes or even different low e glass coating companies. The color of the low-e glass is completely different. If the reflection color of the low e window glass color is not the same as your previous one, the

total appearance of the house will be very weird;

- **Performance data such as Transmittance, Sc, Rg, U-value, etc.** The performance data should be about the same as the old window low e glass.

The solution to the above, find your installer to ask him to [REDACTED] Or you can come to us for help. We [Shenzhen Dragon Glass](#) can help you customize the color appearance and performance data matching, we can do the best for you of the low-e window glass replacement.



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.
6mm SDG-I+ 12A + 6mm clear	71	10	12	46	18	0.61	0.53	1.86	1.85
6mm SDG-II+ 12A + 6mm clear	61	11	12	40	14	0.55	0.48	1.97	1.94
6mm SDG-III+ 12A + 6mm clear	54	20	10	34	21	0.47	0.41	1.84	1.84
6mm SDG-IV+ 12A + 6mm clear	46	22	10	29	24	0.41	0.36	1.82	1.82
6mm SDG-V+ 12A + 6mm clear	45	29	12	28	31	0.39	0.34	1.75	1.76
6mm SDG-VI+ 12A + 6mm clear	38	29	13	22	34	0.33	0.29	1.69	1.73
6mm SDG-VII+ 12A + 6mm clear	42	27	10	27	27	0.39	0.34	1.86	1.85

Typical performance data of low e windows double glass.

5, How to manufacture low e glass for windows?

We [Shenzhen Dragon glass](#) have our own large area low-e glass coating line. The low e glass is produced by coating the glass with Silver, SiN, Metal layers, etc under a high vacuum magnetic sputtering environment.



Large area low-e glass coating line.

Later the low-e glass will be sent to the cutting and grinding and tempering and insulating process to be produced as [double glazed glass](#) or triple glazed glass, etc.



The production process for windows double glass.

6, Shenzhen Dragon Glass low e window glass products details



Low e windows double glass

7, Low e window glass properties

Product name	Splendid 24mm double low e window glass cost, 6mm low-e+12A+6mm clear; Excellent 28mm windows double glass suppliers. 8mm low-e+12A+8mm clear.
Glass color	Clear, low iron, green, blue, grey, etc.

Glass thickness	6+6mm, 8+8mm, and other thicknesses can be customized.
Spacer thickness	12A, other thickness such as 6A, 9A, 14A, 15A, 16A, 18A, 19A, 20A, etc all available;
Spacer color	Silver, black, grey, colorful;
Argon gas	Optional
Low-e type	Online low e glass; Single low e glass; double low e glass;
Glass type	Clear windows double glass, tinted windows double glass, patterned windows double glass, ceramic frit low e windows double glass, digital printed low e windows double glass, Heat soaked test low e windows double glass, etc.
Windows type	Sliding windows, swing windows, fixing windows, etc.
Frame material	High quality aluminum frame.
Quality	Subject to IGCC and CE, etc.
Packing	Strong plywood crates packing.
Max size	2500*7500mm.
Capacity	4000SQM/Day
Low e glass windows cost	22.99~59.9 USD/SQM.

8, Applications



Windows low e glass applications.

9, Certifications.



10, Strong packing and safe delivery.



Strong packing and safe delivery

Would you like to talk about your low e glass window projects? [Please](#)

feel free to contact us now!