

China best choice 4mm low-e+16ar+4mm double silver low e insulated glass for conservatory manufacturers



The ability to create conservatories that are both stylish and energy-efficient is becoming increasingly important within the construction industry. As such, it's crucial for conservatory manufacturers to install insulated glass that offers superior thermal performance.

Double silver low e insulated glass for conservatories is one of the most advanced technologies available today, in this post, we will discuss how it can provide superior heat

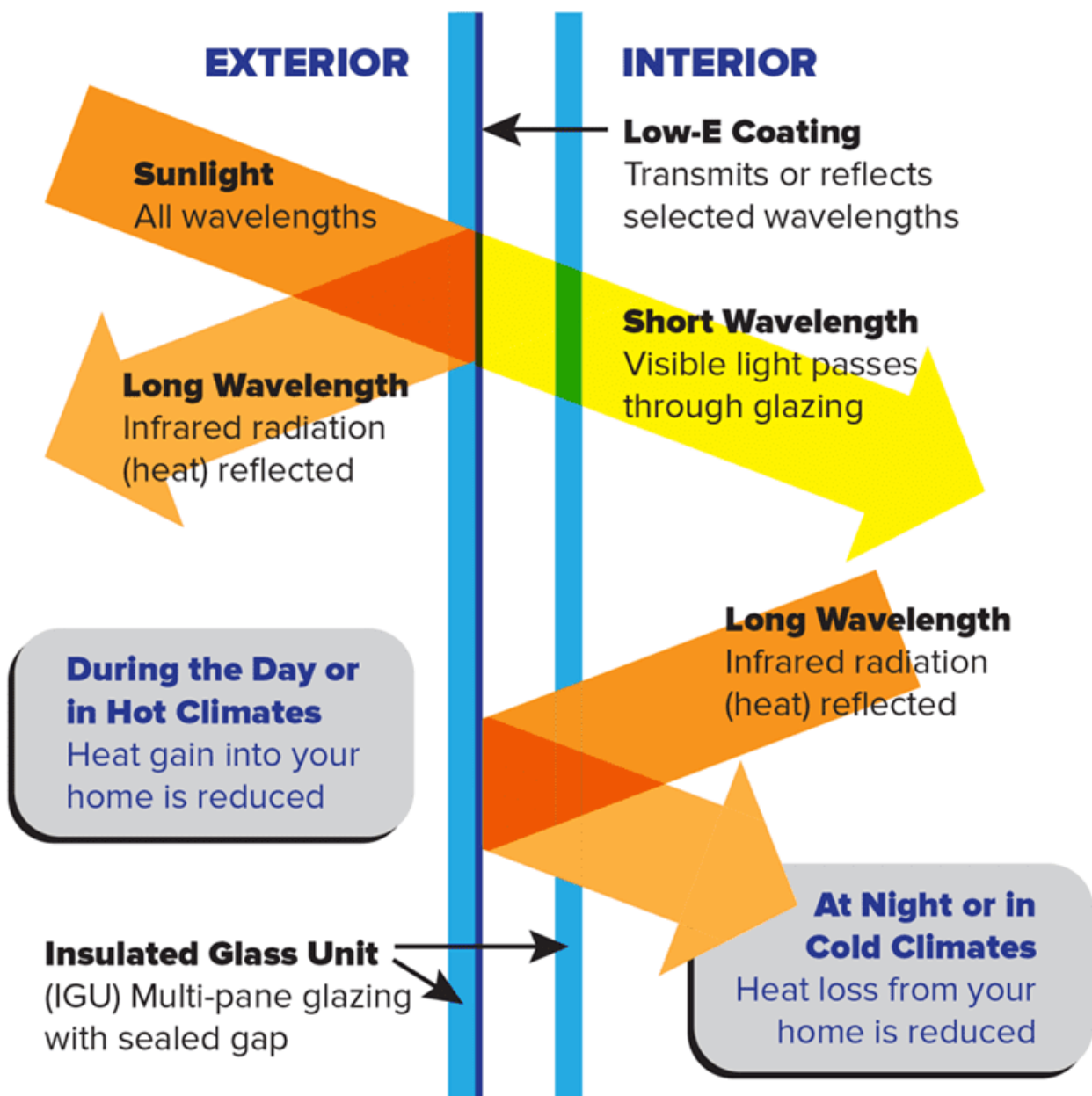
insulation as well as stunning aesthetic appeal while remaining cost-effective.

What is low e insulated glass?

Low e insulated glass is a specialized type of glass that is designed to improve the energy efficiency of buildings. This glass is coated with a special low-emissivity coating that helps to reduce the amount of heat that escapes through windows.

- Ultraviolet light, which is what causes interior materials such as fabrics and wall coverings to fade, has wavelengths of 310-380 nanometers when reporting glass performance.
- Visible light occupies the part of the spectrum between wavelengths from about 380-780 nanometers.
- Infrared light (or heat energy) is transmitted as heat into a building and begins at wavelengths of 780 nanometers.

LOW-E COATING PERFORMANCE



Low-E coatings have been developed to minimize the amount of ultraviolet and infrared light that can pass through glass without compromising the amount of visible light that is transmitted, is better able to retain heat during the winter and keep cool during the summer.

How do we produce 4mm low-e+16ar+4mm double silver low e insulated glass□

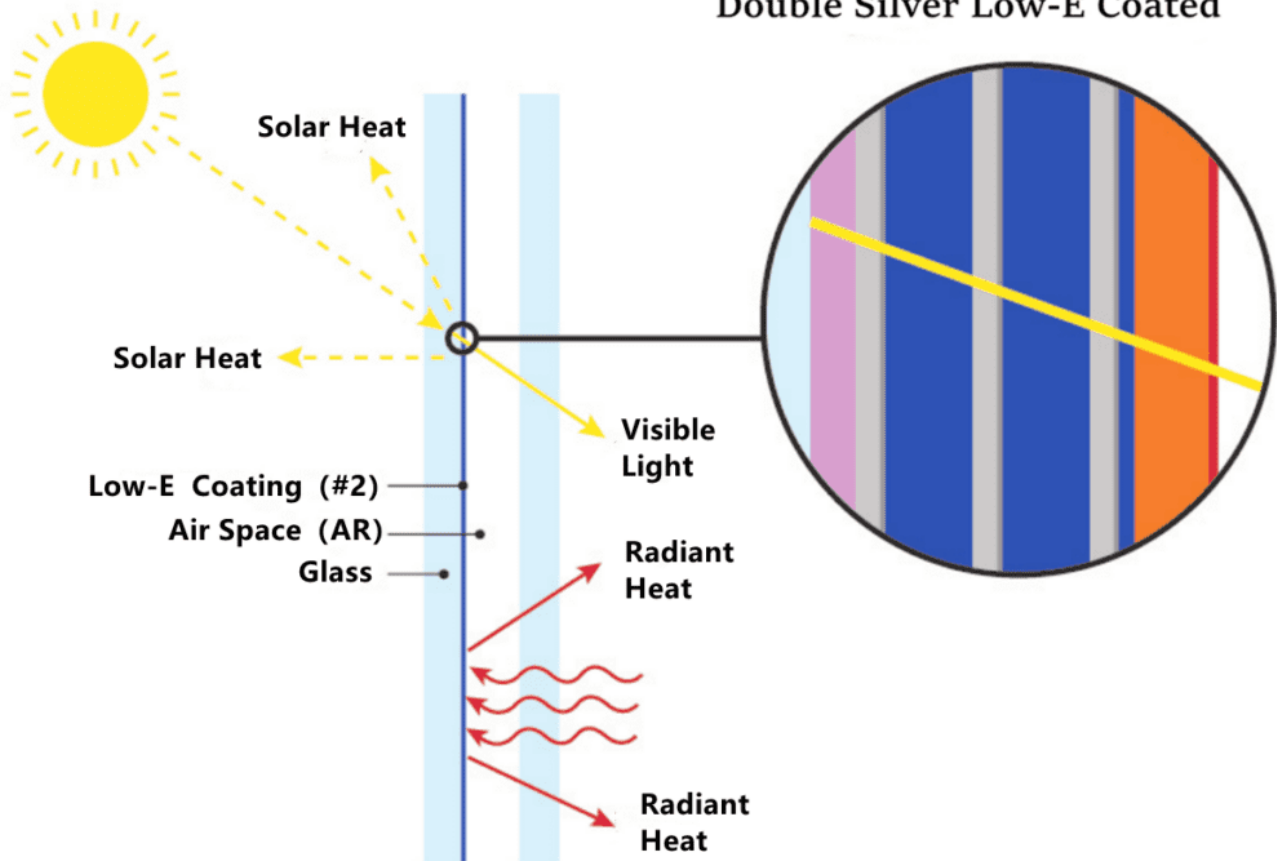
Glass Type:

Our 4mm low-e+16ar+4mm double silver low e insulated glass consists of 2 PCS of 4mm tempered glass sheets, which is one sheet of them with double silver low e coating. Double silver coatings enabled low e glass to maintain the same levels of visible light transmittance as single silver low e coatings while increasing their ability to block solar heat gain (infrared and ultraviolet light) by more than 30 percent.

Coating Location:

In a standard double panel IG there are four potential surfaces to which coatings can be applied: the first (#1) surface faces outdoors, the second (#2) and third (#3) surfaces face each other inside the insulating glass unit and are separated by a peripheral spacer which creates an insulating air space, while the fourth (#4) surface faces directly indoors. Passive low e coatings function best when on the third or fourth surface (furthest away from the sun), while solar control low e coatings function best when on the lite closest to the sun, typically the second surface.

Double Silver Low-E Coated



Insulated Process:

4mm double silver low e glass and 4mm clear glass are separated by an aluminum spacer and then sealed with butyl sealant and structural sealant to achieve energy-saving and soundproofing functions. 16A spacer is filled with moisture to prevent the vapor and air from penetrating. Argon is used between the layers of glass allowing less heat to escape and less cold to enter because they have a higher density.

When it comes to producing IGUs, attention to detail is key, and our team of experts is dedicated to ensuring every unit meets these high standards. Of course, we can produce High quality insulated glass automatically produced by [Lisec intelligent plant](#).

Advantages of Double Silver Low-E Glass in Conservatories:

If you're looking to improve the energy efficiency of your conservatory, then an IGU unit might be just what you need.

Good Thermal Insulation

A good IGU unit can reduce the amount of heat that escapes through the glass, while also minimizing the amount of heat that enters from the outside. This means your conservatory will stay warmer in the winter and cooler in the summer.

Low reflection More contemplation

The double silver IGU unit also offers low internal and external reflections, for clearer views and a striking exterior aesthetic to relax and inspire.



Minimizes Glare and UV rays

Double silver low e glass also minimizes glare and UV rays, protecting the furniture and furnishings of your conservatory.



Soundproof

A silent conservatory environment is perfect for your relaxation.



Easy Cleaning

Using glass in your conservatory is easy to keep clean, make a free from dust, dirt, and ideal visual appearance.

Specifications:

Production name: 4mm low-e+16ar+4mm double silver low e insulated glass
Glass thickness: 24mm
Glass color: Clear
Reflective color: Neutral, light blue, light blue grey, silver blue, silver grey
Process: Coating, cutting, edging, tempering, insulating, packing, etc;
Quality: CE/ASTM/AS/ISO9001/BS/CE;
Packing: Strong plywood crates;
Capacity: 1000SQM/day;
Production time: 10~15 days;

Quality:

- Subject to BS;
- Subject to AS;
- Subject to ASTM;
- Subject to CE.

Applications:







IGU unit for glass conservatory

Product details:



low e insulated glass for glass conservatory

Packing and delivery:



sturdy plywood crates to ensure safety during long-distance transportation

In conclusion, 4mm +16Ar+4mm double silver low e insulated glass is an important part of conservatory construction that can provide great energy efficiency advantages.

By choosing a high-quality insulated glass manufacturer such as [Dragong Glass](#), you can be sure to receive the highest level of customer service and quality materials.

Now, contact us today, you will feel confident in your choice of insulated glass manufacturers.