8.38MM Low Emissivity Glass--Sloar Control Glass

Low e glass is a kind of that belong to coated glass family coated with one or more layers of metal or compound films on the quality float glass by using magnetic sputtering method.It has low thermal conductivity and high light transmittance, ensuring visible light transmittance and reducing light pollution based on prevention of heat losses. LOW-E Glass is widely used in large-sized curtain wall and decorations because of its luxury, comfortable and energy saving features

How does low-e glass works?

When heat or light energy is absorbed by glass it is either shifted away by moving air or reradiated by the glass surface. The ability of a material to radiate energy is known as emissivity. In general, highly reflective materials have a low emissivity and dull darker colored materials have a high emissivity. All materials, including windows, radiate heat in the form of long-wave, infrared energy depending on the emissivity and temperature of their surfaces. .

Specifications:

- Thickness: 4mm, 5mm, 6mm, 8mm, 10mm etc
- Type: Online coated low e glass(hard coating)
- Offline coated low e glass(soft coating)
- Online Low e Color: Clear
- Offline Low e Color: Clear, gray, blue, green, color can be customized
- Size: 2140x3300mm, customized sizes.
- Processing services: can be tempered and laminated.

The advantages of low-e laminated glass

Safety

The firm and tough bindings between PVB films and the glass makes laminated glass the safe glass with excellent performance. Vertically or sideling installed, it can resist the external impact and prevent penetration. Once broken, the broken pieces will still be stuck with the middle coatings so as to avoid human injury or property loss because of glass falling. Moreover, the whole glass still keeps its integrity and can continue to resist impact and provide a shelter from wind and rain.

Sound insulation

Laminated glass can effectively reduce the noise with the range of the whole sound wave frequency. The special laminated structure and PVB film of laminated glass can stop the sound wave, thus effectively preventing the expanding of the sound. It has excellent sound insulation effect and can effectively reduce the high and low frequency noises of cars, human voices and planes.

Performance of controlling sunshine and ultraviolet radiation

PVB coating has the performance of ultraviolet radiation filtration. The PVB middle coating can absorb at least 99.5% ultraviolet radiation. Special PVB coating can add the performance of controlling sunshine penetration to the laminated glass, thus preventing giddying and effectively block the ultraviolet radiation. And the indoor furniture, plastics, textile, carpet, arts, ancient cultural relics and commodities can avoid fading and aging because of the ultraviolet radiation emission.

Energy conservation

The building laminated glass made of PVB coating can effectively reduce the transmission of sunlight and the air conditioning energy consumption. Of the same thickness, the laminated glass made of PVB coating of dark low transmission ratio has stronger heat insulation performance.

Security

Laminated glass can protect human beings and their property. It can effectively resist crimes like stealing and violent intrusion. Aiming at destroying behaviors or resisting violent break-in, laminated glass has the corresponding intensity. Laminated glass cannot be single-side cut. It is very hard and will be easily caught when trying to break into a house by cuttin

Application:

The laminated glass is widely applied in hotel, restaurant, airport, hospital, lab, scientific research institute, vehicle, glass partition, stadium, and the buildings where there is a large crowd and the damage easily happens due to human body’s easy touching

The types of low-e glass

ONLINE HARD COATING LOW-E GLASS
OFFLINE SOFT COATING LOW-E GLASS

Product Picture:

Package of Low-E glass China factory:

Production: