

# Energy Saving 5mm Low Emissivity Glass Supplier in China

## About Low-e Glass

“Emissivity” refers to the ability of the glass surface to reflect heat. Low-E glass has a thin metallic coating on the glass that reflects thermal radiation or inhibits its emission reducing heat transfer through the glass. Low E glass reflects the radiation rather than absorbing it, improving performance, resulting in a lower U-value. The lower U-value, the better performance will be. It is used on glass in both double and triple-glazed units. The properties of Low-E insulating glazing enable it to be a net contributor of energy in buildings.

## 5mm Low-e Glass Characteristic

- Transmits solar energy to help keep homes cooler in the summer and reduce cooling energy costs
- Allows high level of visible light transmittance and exterior clear glass appearance
- Insulates much better than standard clear insulating glass
- Blocks a lot UV energy, a common contributor to fabrics, carpet and furniture fading
- Very low shading coefficient, effective in reducing solar heat radiation from reaching the building interior, especially for infrared heat radiation.

## 5mm Low-e Glass Specification

Size: 2140\*3300mm, 2250\*3300mm, 2140\*1650mm, 2440\*1650mm, etc.

Color: Clear, Silver, Bronze, Dark Grey, Euro Grey, Dark Green, F-Green, Dark Blue, Ford Blue, etc.

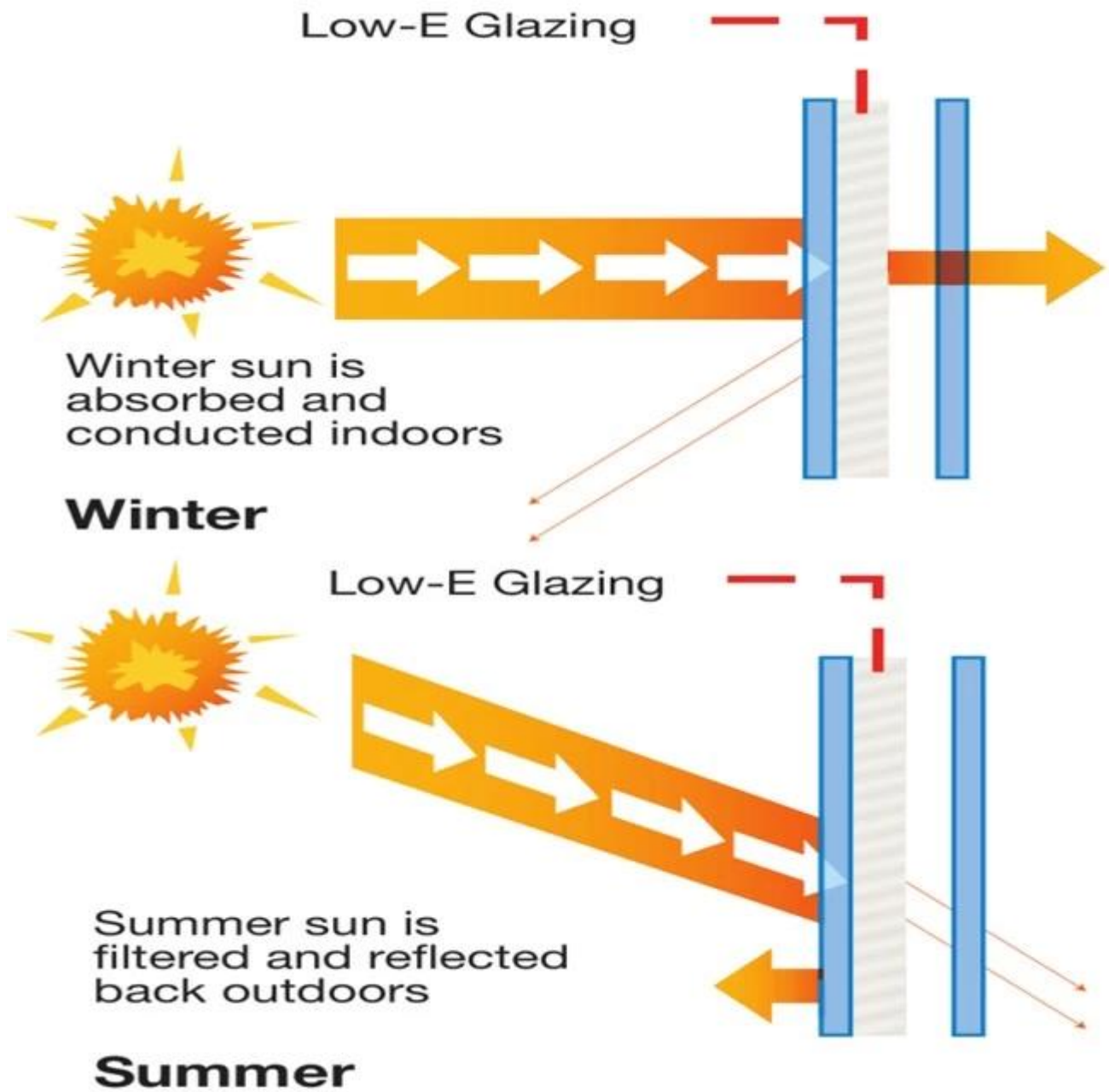
## 5mm Low-e Glass Application

- 5mm low e glass usually use to make [insulated glass units](#) or laminated glass, to use for external upvc windows and doors, skylight, roof, curtain wall, etc.

## 5mm Single Low-e Glass Performance Data

Structure		Light Properties		Thermal Properties			U Value
Single Glazing	Thickness	LT (%)	LR (%)	EA (%)	SHGC (%)	SC	W/M <sup>2</sup> ·K
Low-e	4mm	82	11	20	71	0.83	3.6
	5mm	81	12	21	71	0.83	3.6
	6mm	80	12	22	71	0.82	3.6
	8mm	80	11	25	67	0.79	3.6
	10mm	79	11	28	67	0.79	3.6

### How Does The Low-e Glass Work?





**5mm Low-e Glass Safety Loading**

