

6 Low Emissivity

Low-e

Low emissivity(Low E) is a property of radiates, which is the ability of a material to emit thermal radiation. The term "Emissivity" refers to the ratio of the energy radiated by a surface to the energy radiated by a blackbody at the same temperature. Low-E coatings are designed to have a low emissivity, which means they reflect more infrared radiation and absorb less. This is particularly useful in applications where heat retention is important, such as in energy-efficient windows. Low E coatings are typically applied to the inner surface of the glass in double-pane windows. They consist of a thin layer of metal or metal oxide. The most common type is silver, which has a very low emissivity. Other types include tin oxide and zinc oxide. The Low E coating is applied to the inner surface of the glass in double-pane windows. It consists of a thin layer of metal or metal oxide. The most common type is silver, which has a very low emissivity. Other types include tin oxide and zinc oxide.

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Single Low-E

Low-E

Online low e

Offline low e

Low e

Low e

2140 * 3300, 2250 * 3300, 2140 * 1650, 2440 * 1650

low E

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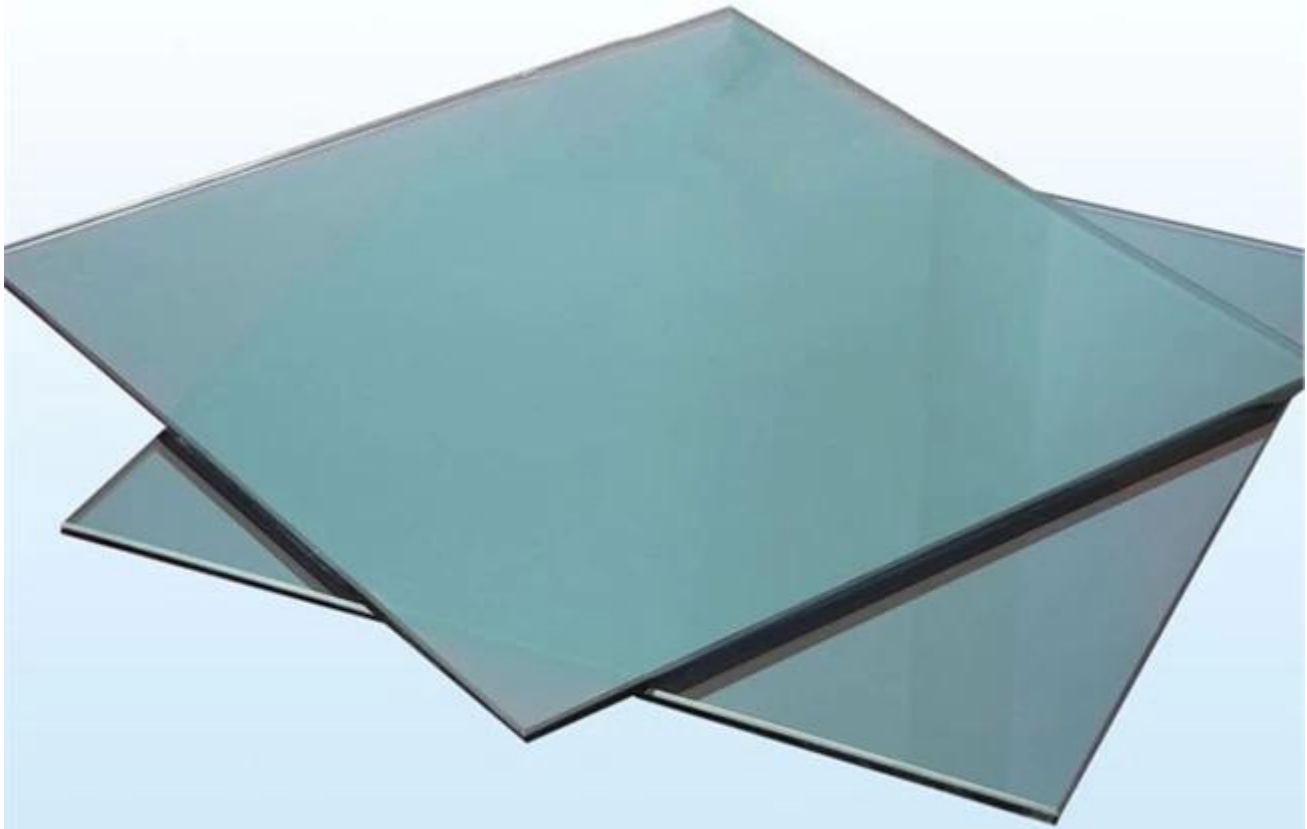
Emissivity Low-E is 0.02 ~ 0.11, 0.84 uncoated

Low-E #2, #3

·JIMY 可加工可处理的 processable Low-E 玻璃 是 一种 可加工 可处理 的 玻璃 产品

·Low-E 玻璃 具有 低辐射率 的特点 能够 有效 降低 玻璃 的 热辐射 损失 从而 降低 玻璃 的 U-值 提高 玻璃 的 隔热 性能

Low E 玻璃 的特点:



Low E 玻璃 的 性能 参数 表

Structure		Light Properties		Thermal Properties			U Value
Single Glazing	Thickness	LT (%)	LR (%)	EA (%)	SHGC (%)	SC	W/M ² ·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

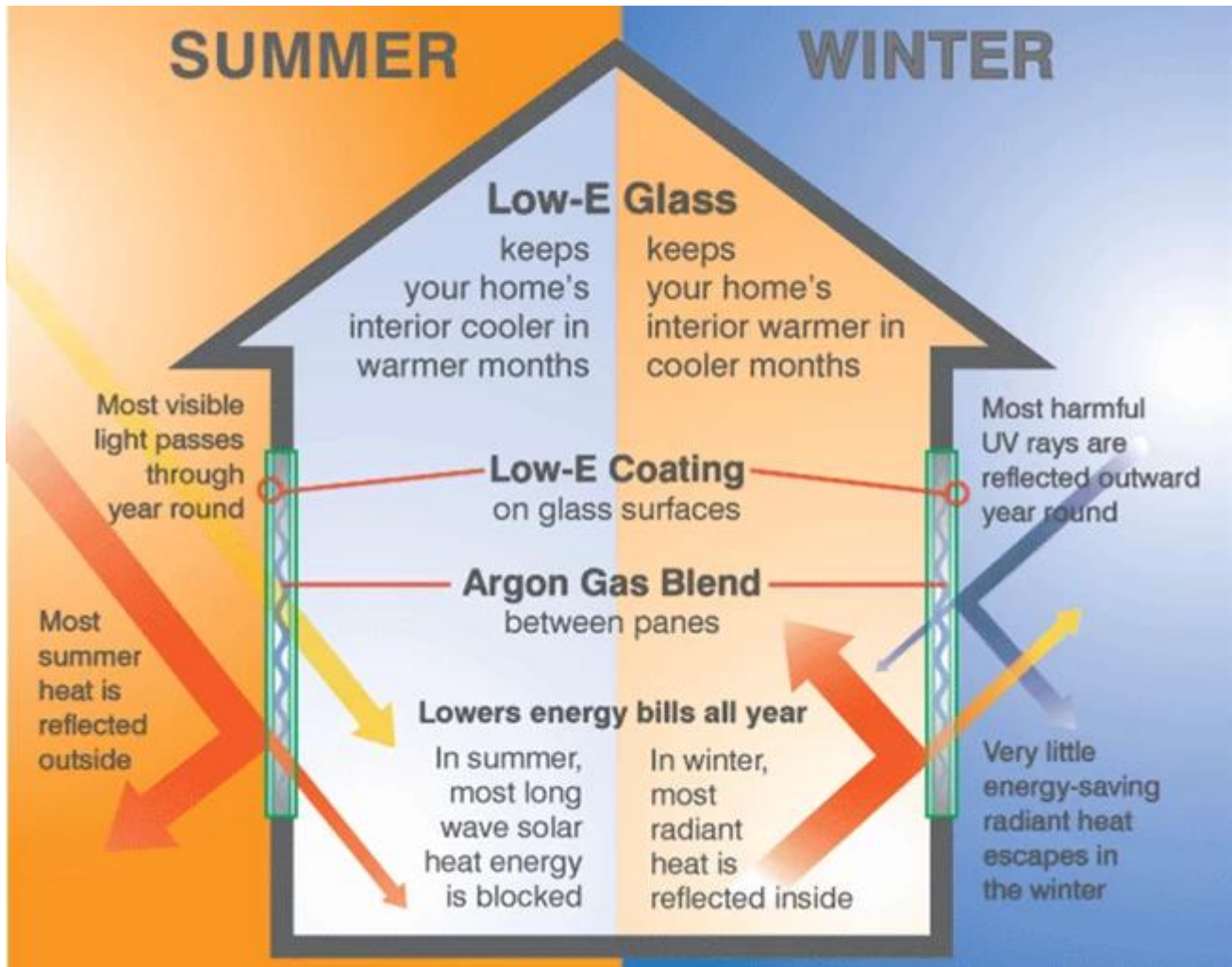
Low Emissivity 玻璃 的特点:

Low-E 玻璃 具有 低辐射率 的特点 能够 有效 降低 玻璃 的 热辐射 损失 从而 降低 玻璃 的 U-值 提高 玻璃 的 隔热 性能 此外 玻璃 还具有 良好的 透光 性能 能够满足 建筑 的 采光 需求

1. Low-E 玻璃係指在玻璃表面鍍有低輻射係數之膜層，其係數低於 0.1，可減少室內熱能向外散失，提高室內溫度，降低空調能耗，同時可減少室外光線對室內之眩光，提高室內舒適度。
2. Low-E 玻璃係指在玻璃表面鍍有低輻射係數之膜層，其係數低於 0.1，可減少室內熱能向外散失，提高室內溫度，降低空調能耗，同時可減少室外光線對室內之眩光，提高室內舒適度。
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Low-E Low-emissivity 係指在玻璃表面鍍有低輻射係數之膜層，其係數低於 0.1，可減少室內熱能向外散失，提高室內溫度，降低空調能耗，同時可減少室外光線對室內之眩光，提高室內舒適度。



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