

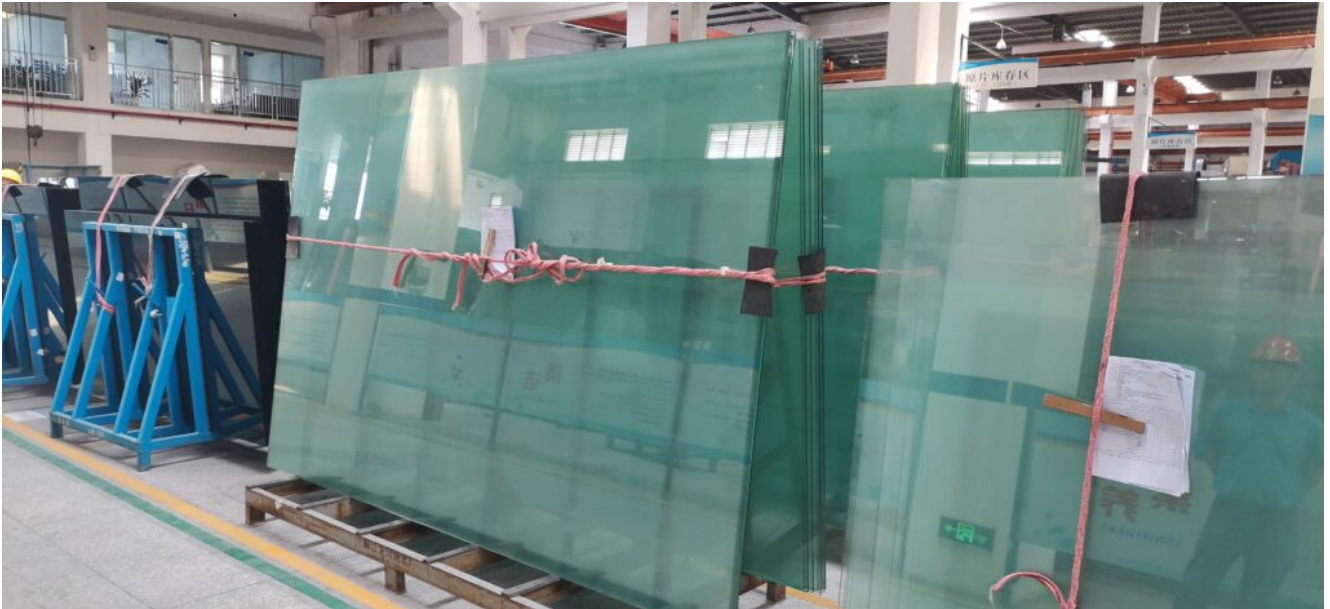
Annealed Glass: The Unsung Hero of Modern Architecture”



What Is Annealed Glass?

Annealed glass, also known as float glass or “flat” glass, is a type of glass that has not undergone heat strengthening or tempering.

It is produced through a controlled cooling process to minimize stress in the glass. This inherent operation of the float glass manufacturing process allows the annealed glass to be easily manipulated and crafted, include cut, machined, drilled, edged and polished.



What is annealed glass used for?

Annealed glass is often used for small windows, tabletops, cabinet doors, and basement windows that do not need to withstand high temperatures or pressure.

This type of glass tends to shatter on impact, which is why it is mostly further processed.



Is annealed glass cheap?

Annealed glass is cost-effective compared to other types of glass as it does not require additional manufacturing processes. It offers design flexibility and versatility, being easily cut into various styles, including curved designs.



Can annealed glass break by itself?

annealed glass can break by itself due to a phenomenon called "spontaneous breakage." This typically occurs in tempered glass, but it is less common in annealed glass. Spontaneous breakage of tempered glass is most commonly caused by chipped or nicked edges during installation, internal defects such as nickel sulfide inclusions, thermal stresses in the glass, and inadequate thickness to resist high wind loads. However, annealed glass can also be subject to spontaneous breakage if it has internal defects or stress concentrations.



FLOAT GLASS
(Clear Glass)

VS



TEMPERED GLASS
(Toughened Glass)