

8mm clear curved tempered glass □ 8mm safety clear curved toughened glass produce by KXG building glass Factory

[Curved tempered glass](#) has long been of great interest to the market. The process of creating high-quality tempered bent glass has evolved over the years. Continued research and development, the best use of the latest technology and the experience of industry experts have opened up new dimensions in glass



Modern horizontal bending and tempering lines commonly operate like this

1. The flat glass is first heated to over 630 °C – until red hot.
2. Once heated, the glass is moved within the furnace into the bending station, where it is bent to its target radius.
3. The glass can be twisted into the direction in which the glass flows, which is known as lengthwise bending.
4. It can also be bent crosswise across the glass flow, which is called crosswise bending.
5. The bent glass is then tempered by cooling to trap high energy forces within the glass.
6. The bent and tempered glass comes out of the furnace.



Bent tempered glass is welcome for a reason

There are several other common methods for curving or bending glass. These include hot bending, lamination bending, bending and tempering and cold bending. However, only the bending and tempering method has the advantages that make it so attractive to modern architects and designers.

First of all, tempered curved glass is safety glass. When broken, it is harmless to people. Therefore, where a high degree of safety is required, such as in windows, curtain walls, balustrades or skylights, it becomes the most practical type of curved glass.

Secondly, bent and tempered glass offers greater resistance to mechanical and thermal loads, as well as durability against temperature variations. In fact, tempered bent glass withstands up to five times more mechanical strain than bent annealed glass – again making it more useful from the contractors' perspective.

Last but not least, bent and tempered glass is cheaper to produce than [curved tempered laminated glass](#), since it's done in a single process and doesn't require lamination.



Please note:

Considering the characteristics of [6mm clear curved tempered glass size](#), edge process, drill holes and others should be confirmed before making production. Once glass size is cut out, glass railing can not be made mechanical treatment any more, otherwise it will be broken.

8mm good quality curved tempered glass packaging



