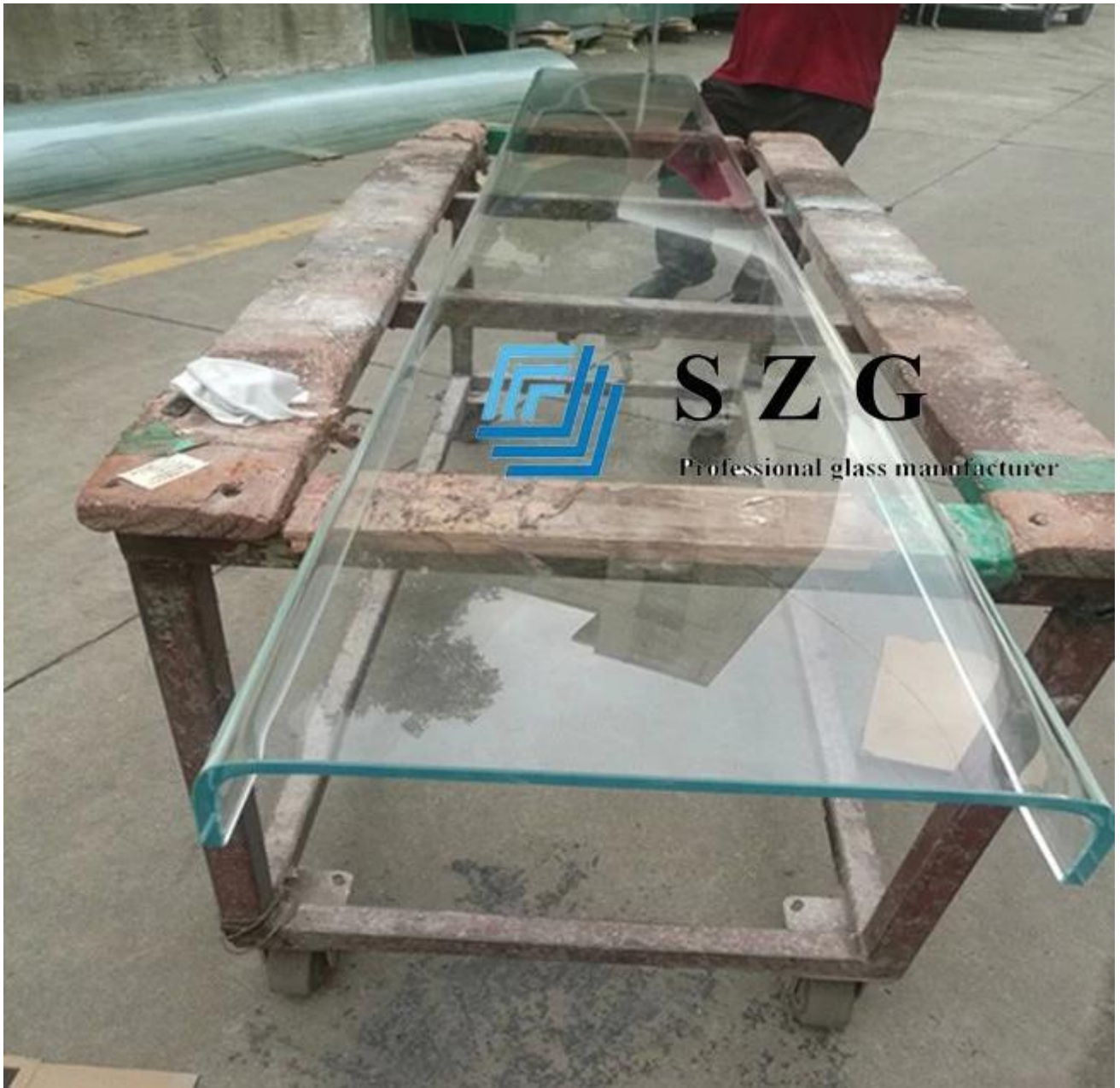


## **Building material 7mm u-profile tempered glass use curtain wall, 7mm u-sharp tempered glass , U-channel glass for partitions.**

7mm u-profile tempered glass (also known as " channel glass" ) method is to use the first rolling and post forming continuous production, because of its cross section is "U" type,so named. A wide variety of u-shaped glass, have ideal previous to light quality, thermal insulation, heat preservation and high mechanical strength, not only widely used and the construction is simple, and has a unique architectural and decorative effect, and can save a lot of light metal profiles, -it's one of the new type environment-friendly and economical building glass.



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Professional glass manufacturer



### **The processing of tempered u-profile glass**

The processing of tempered u-profile glass is produced from a shaping process in glass tin groove furnaces controlled by a computer system. The process will bring the glass surface compressive stress and the interior tensile stress which can improve the mechanical strength of glass by germination and result in good thermal stability. it has better mechanical strength than general glass.





### **Features of the u-profile tempered glass**

1. Light weight, reduce building its own weight, the shapes of light can increase building usable floor area.
2. Sound insulation, heat insulation, improving the environment to save energy.

Information described in the glass of double groove sound insulation is 38 db, heat transfer coefficient is 1.74 W/m<sup>2</sup>. K, and the heat transfer coefficient of single 6 mm glass is 3.65 W/m<sup>2</sup>. K. Trough type glass in terms of reducing building energy consumption is a kind of ideal wall materials.

3. Safety, corrosion resistance, pervious to light the ideal form of wall materials.
4. Easy construction, economical and practical.

### **Characteristic of U glass**

Mechanical Strength	Fire Resistance	Chemical Stability	Tensile Strength	Mohs Hardness	Modulus of elasticity	Coefficient of linear expansion
700~900N/mm <sup>2</sup>	0.75h	0.18mg	30~50N/mm <sup>2</sup>	6-7	60000~70000N/mm <sup>2</sup>	75-85X10 <sup>-7</sup> Temperature increase of 1 degree Celsius

Type	Light Transmittance Single Wing	Light Transmittance Double Wing	Heat Transfer Coefficient Single Wing	Heat Transfer Coefficient Double Wing	Sound Insulation Capacity Single Wing	Sound Insulation Capacity Double Wing
U Profile Glass Ordinary Fine Lines	88%	80%	4.9W/m <sup>2</sup> k	2.35W/m <sup>2</sup> k	27db	38db

### Specification

Width(mm)	Flange height(mm)	Glass thickness(mm)	Max.length(mm)	Weight(single layer)(kg/M <sup>2</sup> )
232mm	60mm	7mm	6000mm	25.43kg/m <sup>2</sup>
262mm				24.5kg/m <sup>2</sup>
332mm				23.43kg/m <sup>2</sup>
Surface embossing type	Transparency, super white. Ice pattern and ripple(thick ripple and thin ripple), special patterns can be produced as per customers.			
Glass coating	Low radiation, sky blue, ceramic color, sand blasting processing etc.			

### 7mm u-profile tempered glass Application :



**7mm u-profile tempered glass product line**





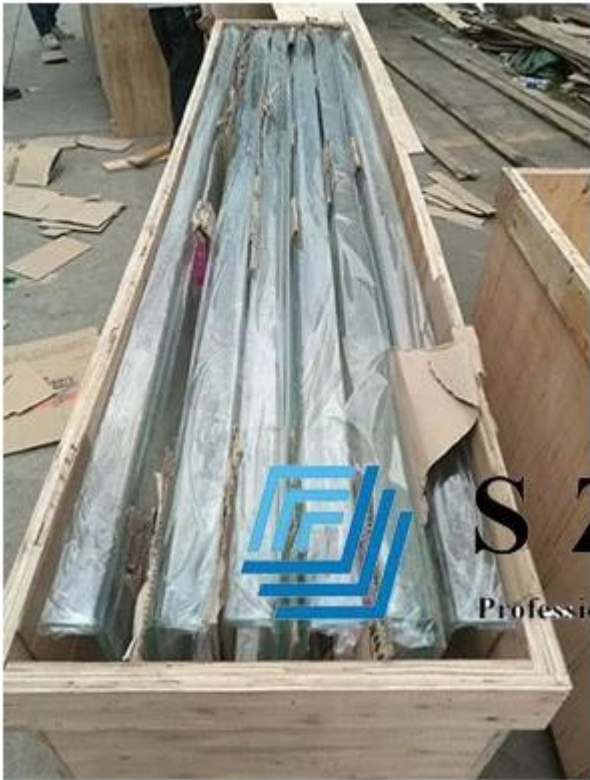
### **Packing**

Each glass sheet is separated by high and quality of anti-mildew paper,

Before packing,each glass sheet must be inspected to.

Using brand new,durable, seaworthy plywood case with foam protection inside.

Each case will be fasten by metal belt.



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**Certification**



