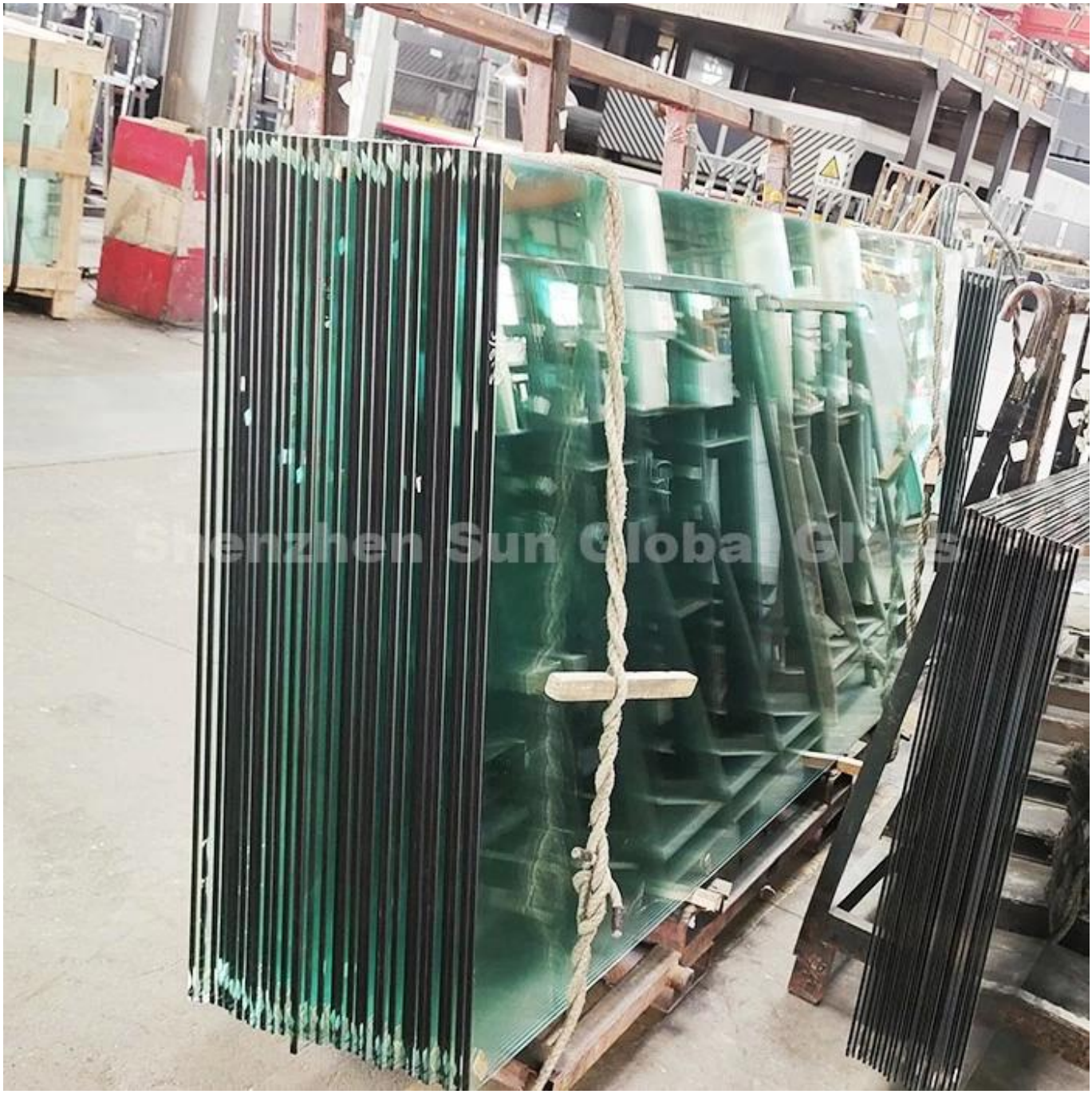
10mm Tempered Glass Aluminium U Channel Partition Wall System

Glass for Partition Wall

10mm tempered glass(toughened glass, tuffen glass) is type of safety glass which through a manufacturing procedure that ultimately makes it as much as five times as strong as other forms of glass. The procedure involves heating the glass up, and then cooling it down rapidly. This process makes the glass stronger, and also changes the way the glass breaks. The glass shatters into small blocks that are much less likely to cause injury. That is why Tempered glass is also called safety glass.



Functions of Tempered Glass

1. Strength

Toughened glass is known as a type of safety glass for a reason. It is five times stronger than regular glass of the same size and thickness, which means it can withstand a much harder hit without breaking and is less prone to shattering. toughened glass breaks up into hundreds of tiny pieces that are not sharp or jagged, lowering the risk of injury.

2. Heat Resistance

Tempered glass is up to five times more heat resistant than standard glass and can withstand temperatures up to a sweltering 250 degrees. This makes it much safer in the event of a fire and is the reason why most high-rise apartments, government buildings, schools and offices have toughened glass windows.

3. Impact Resistance

Toughened glass isn’t just stronger – it’s also much more impact resistant and protective compared to ordinary glass. This makes it suitable for safety applications in many situations, such as partition wall for offices and apartment buildings.

4. Durability

Toughened is much more durable and less prone to breakage than standard glass. Glass partition and other applications of glass should always be toughened using a thermal tempering process, which makes it, on average, five times stronger than untoughened glass.

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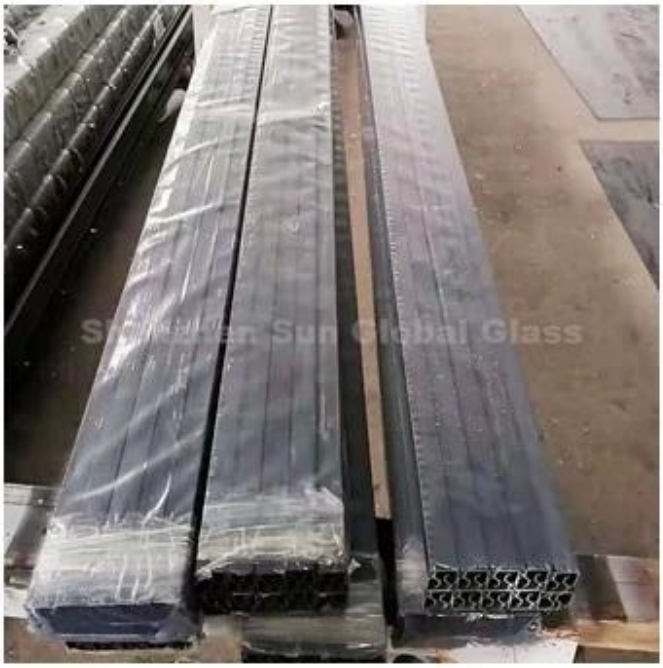

Stainless Steel Hardware for Partition Wall

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