

# American Standard High Quality 3/8 Low Iron Tempered Glass for Partitioning



## 1.What is 3/8 Low Iron Tempered Glass for Partitioning?

3/8 low iron tempered glass also called 10mm [ultra clear tempered glass](#), which often use high-quality low iron glass from Xinyi Glass, CSG Glass, or Jinjing Glass, low iron glass is a type of glass with a reduced iron content compared to

[standard glass](#). This results in a clearer, more colorless appearance, making it ideal for applications where visual clarity is important.

The 3/8 extra clear tempered glass is glass that has been treated with heat or chemicals to increase its strength. Tempering also causes the glass to break into small, blunt pieces rather than sharp shards, which reduces the risk of injury if it shatters.

So, 3/8 Low Iron Tempered Glass for Partitioning has a low iron content for clarity and has been tempered for increased strength and safety. These panels would be suitable for creating [glass partitions](#) within a space, providing both structural support and visual transparency.

## 2. Feature

### Clarity

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- 10mm Low iron glass is known for its high transparency (reach 91%) and clarity, making it an excellent choice for applications where aesthetics are important. It provides a clear view through the partition without any greenish tint typically associated with standard glass due to its reduced iron content.



### Strength

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- 10mm ultra clear tempered glass is significantly stronger than untreated glass of the same thickness. This enhanced strength makes it more resistant to impact and bending forces, reducing the likelihood of breakage during handling or in the event of accidental impacts. This strength is crucial for partitions, as they may be subject to occasional bumps or pressure.

## Safety

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- Designed to break into small, blunt pieces when shattered, rather than sharp, jagged shards like regular glass. This reduces the risk of injury if the glass is broken, making it safer for occupants in case of accidents. This feature is particularly important for partitions in public or high-traffic areas where safety is a concern.

## Thickness

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- The 3/8-inch thickness provides structural integrity while still maintaining a relatively lightweight profile compared to thicker glass panels. This makes it easier to handle and install while ensuring durability and stability in partitioning applications.

## Durability

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- Toughened glass panels are more resistant to scratches and other surface damage compared to regular glass, prolonging their lifespan and maintaining their aesthetic appeal.

### 3. Quality Standard

[Dragon Glass](#) have being awarded so many certificates for 3/8 thick low iron tempered glass, see below:

- Subject to **BS standard**
- Subject to **SGCC standard**
- Subject to **ASTM C1048 standard**
- Subject to **CE- EN12150 standard**
- Subject to the **ISO 9001 standard**
- Subject to the **AS/NZS 2208:1996 standard**

### 4. Applications



## Office partitions

Nowadays, so many offices consider using glass as a replacement for concrete, wood, and panels. Because the glass has a wonderful fire proof performance, is easy to clean, and also has a very good view with light transmission.

Using low iron tempered glass will be better than normal clear glass because you can see clearly from both sides, and the whole space of the office will look bigger than usual.





## Storefront walls

Storefront uses 10mm extra clear tempered glass also a good choice, with good views and very good light transmission, and also some hot areas, they will consider Low iron glass coated with Low E in IGU, realizing a good heat or UV reduction and enough lights.





## Shower room door

## 5. Specifications

<b>Item name:</b> 10mm extra clear toughened glass panel, 3/8 thick iron-free toughened glass
<b>Glass color:</b> ultra clear
<b>Glass shape:</b> flat/curved, <a href="#">jumbo size</a> ;

<b>Glass size:</b> Stock size for products, customized size, max: 2700mmx7000mm;
<b>Quality:</b> IGCC/ASTM/CCC/ISO9001, etc;
<b>Production time:</b> 7-12 days, if have holes or cutouts will reach 15 days
<b>Packing:</b> Export level strong plywood crates;
<b>Payment term:</b> 100% before delivery, others can negotiate

## 6. Production Details

### Cutting line

[Dragon Glass group](#) have over 7 cutting line, including Bottero, Lisec auto cutting line, CNC cutting line, and so on, according to the customer's CAD drawing, our professional team will try our best to help you with your glass sizes and shapes.



Shenzhen Dragon Glass





## Edging line

Support over 12 types of edge polishing, including Flat polished, beveling, round edge, no matter building glass, but also furniture glass edges, or if you have other glass requirements, kindly [contact our team.](#)



## Tempering furnace

Our facilities of 3/8 Low iron tempered glass which come from Land Glass (2 sets) & North Glass (3 sets) or International brands (3 sets) will let all glass be tempered in very good condition, The standard for us is a self-explosion rate of less than 0.01%, super flatness, and no defects.





## 7. Packing and Delivery

### Package Information of 10mm ultra clear toughened glass panel

1. We use plywood crates only Because which made by compressing and bonding processed wood, and can be exported without any complex procedures, making it very convenient.

2. The size of the safety 10mm low iron toughened glass is often not uniform. For safety transportation, the interior of the plywood box is filled with pads and blocks to provide corks between the tempered esg glass panel. Then, it is wrapped with plywood strips because the more exposed it is, the safer it is. Diagonal bracing of the plywood strips is essential to enhance the strength of the box.
3. Many clients ask why we don't use fully sealed packaging. That's due to the more exposed it is, the safer it is. During transportation by forklift or crane, it is immediately clear that there is fragile thick toughened glass inside, prompting extra attention to safety.

**Strict inspection before delivery**





**Extra clear tempered glass inspection by flash light in Dragon Glass**



Packaging and delivery for 3/8 low iron tempered glass panel

No matter how 3/8mm low iron tempered glass, or other thickness like [1/2 low iron tempered glass](#), 1/4 low iron tempered glass, both very popular in USA market, besides this, we also provide low iron laminated glass, [acoustic pvb laminated glass](#) for partition walls, if have interests, please [let us know anytime](#).