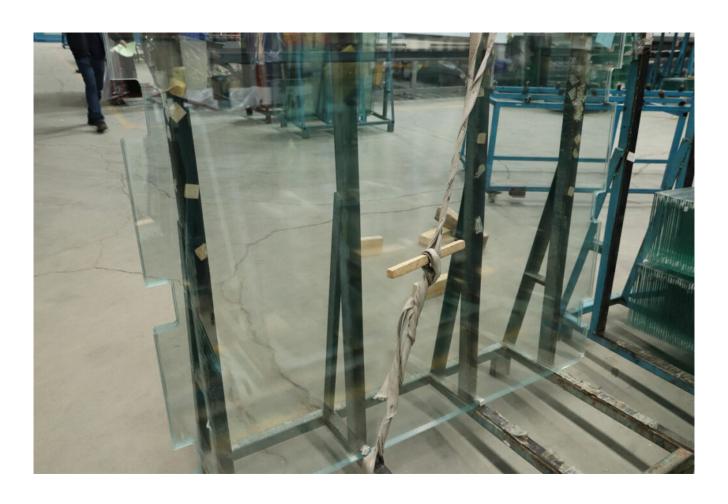
EN12150 Certified 5mm Clear Tempered Glass Shower Cabin for Residential



1. What is EN12150 certified 5mm clear tempered glass shower cabin for residential?

5mm clear tempered glass is a kind of safety glass in the world, that uses high-quality 5mm <u>clear annealed glass</u> for tempering, the annealed glass often comes from the top 10 factories in China, like XYG, CSG, or TG, this manufacturer can ensure the quality no problem and very fast delivery.

The process of the 5mm clear tempered glass shower cabin is obtained by first cutting ordinary annealed glass sheets to the required dimensions, then heating it to around 700 degrees Celsius, close to its softening point, followed by rapid and uniform cooling (typically, annealed glass of 5mm thickness is heated at around 700 degrees Celsius for about 240 seconds and cooled for about 150 seconds).

After tempering, the glass surface develops uniform compressive stress while the interior develops tensile stress, thus enhancing its bending and impact resistance. Its strength is approximately 4-5 times that of ordinary annealed glass. 3/16 tempered glass panel that has been processed cannot undergo any further cutting, grinding, or other machining, nor can it sustain damage, as it would disrupt the balanced compressive stress and could lead to shattering.

2. Feature

Durability

• 3/16 tempered glass is much stronger than regular glass, making it resistant to impacts and less likely to break. This is especially important in a shower cabin where accidental knocks and bumps can occur.

Safety

Support special exhibitions.

• Tempered glass panel is designed to shatter into small, dull fragments rather than sharp shards if it does break, reducing the risk of injury.

Clarity

• The 5mm clear/colorless glass provides a sleek and modern look to your bathroom, making it feel more spacious and inviting.

Easy Maintenance

 Normal clear glass is easy to clean and maintain, requiring only regular wiping down with a mild cleaner to keep it looking sparkling.

Light Transmission

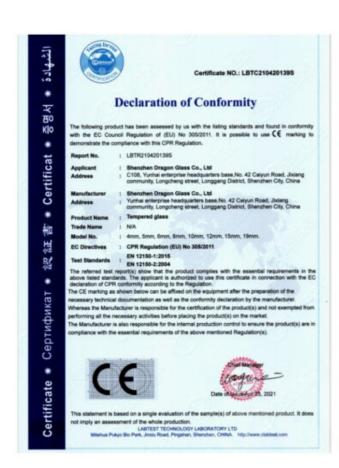
• The clear glass allows natural light to penetrate into the tempered glass shower cabin, creating a bright and airy atmosphere. Which Transmission can reach 87%

Customization

• Transparent tempered glass can be customized to fit specific dimensions and design preferences, allowing for flexibility in the layout and style of your shower cabin.

3. Quality Standard

- Subject to BS standard
- Subject to SGCC standard
- Subject to ASTM C1048 standard
- Subject to **CE-12150 standard**
- Subject to the ISO 9001 standard
- Subject to the AS/NZS 2208:1996









4. Applications



This is a kind of style we deliver to one of client in Middle America, they use for their car hotel for 18 rooms, they use 5mm clear tempered glass panel, and we also match the accessories for them.

This is for a client they use for their apartment project in Lebanon, all use 5mm clear tempered glass, and SUS 304 accessories of hinges and handle, which combine to a very good and beautiful shower cabin system.





It's a project use for pravite house, our client plan to build a house in Africa, his hometown, and all glass and glass

fittings supplied by <u>Dragon Glass</u>, including clear tempered glass shower cabin, <u>laminated glass for balustrade</u>, IGUs for roofs, 12mm tempered glass for fencing, <u>IGU glass for windows</u>.

Specifications

Item name: 5mm clear tempered glass for shower cabin;

Glass color: clear/colorless/normal; other colors like low iron, tinted glass like green, grey, blue, bronze, etc;

Glass shape: flat/curved;

Glass size: Stock size, customized size, max: 2440mm *

3660mm;

Quality: AS/CE/ASTM/CCC/IS09001, etc;

Production time: 7-10 days, if have holes or cutouts will

reach 10-12 days

Packing: Export level strong plywood crates;

Payment term: Negotiate

6. Production details

Cutting line

<u>Dragon Glass group</u> have several cutting line, including Bottero, Lisec auto cutting line, CNC cutting line, and so on, according to the client's drawing, our team will try our best to help you with your glass.



Edging line

We support over 12 types of edge polishing, so if you have other glass requirements, kindly <u>contact our team.</u>



Tempering line

Our facilities of tempered glass which come from Land Glass & North Glass or International brands will let all glass be tempered in very good condition, The standard for us is a self-explosion rate of less than 0.3%, super flatness, and no defects.



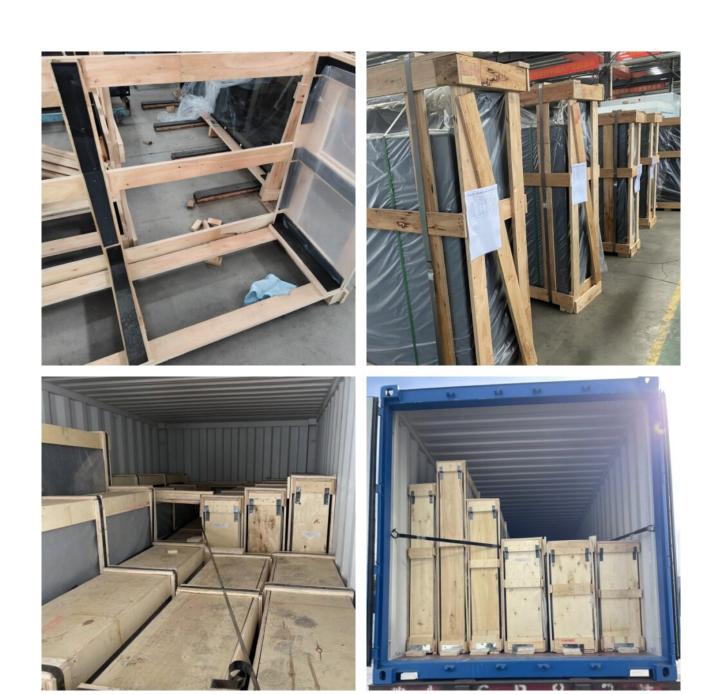
7. Packing and Delivery

Package Information

- 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.
- The size of the tempered glass panel is often not uniform. For safety transportation, the interior

of the plywood box is filled with pads and blocks to provide corks between the insulated glass. 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.

• 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 are fragile products inside, prompting extra attention to safety.



Packaging and delivery for tempered glass panel

If you have further questions or inquiry on clear tempered shower cabin, please let us know anytime, Dragon Glass always provide high quality tempered glass materials for your any projects at local, and also we not only provide tempered glass, but also other different glass types, contact us right now, we believe you can get very good benefit and purchase experience.