

EN12150 Certified 5mm Clear Tempered Glass Shower Cabin for Residential



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

Ready to deliver for 5mm tempered glass shower cabin

5mm clear tempered glass is a kind of safety glass in the world, that uses high-quality 5mm [clear annealed glass](#) 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**

Certificate NO.: LBTC2104201395

Declaration of Conformity

The following product has been assessed by us with the listing standards and found in conformity with the EC Council Regulation of (EU) No 305/2011. It is possible to use **CE** marking to demonstrate the compliance with this CPR Regulation.

Report No.: LBTR2104201395

Applicant: Shenzhen Dragon Glass Co., Ltd
Address: C108, Yunhai enterprise headquarters base, No. 42 Caiyun Road, Jixiang community, Longcheng street, Longgang District, Shenzhen City, China

Manufacturer: Shenzhen Dragon Glass Co., Ltd
Address: Yunhai enterprise headquarters base, No. 42 Caiyun Road, Jixiang community, Longcheng street, Longgang District, Shenzhen City, China

Product Name: Tempered glass
Trade Name: N/A

Model No.: 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 15mm, 19mm.

EC Directives: CPR Regulation (EU) No 305/2011

Test Standards: EN 12150-1:2015
 EN 12150-2:2004

The referred test report(s) show that the product complies with the essential requirements in the above listed standards. The applicant is authorized to use this certificate in connection with the EC declaration of CPR conformity according to the Regulation.

The CE marking as shown below can be affixed on the equipment after the preparation of the necessary technical documentation as well as the conformity declaration by the manufacturer. Whereas the Manufacturer is responsible for the certification of the product(s) and not exempted from performing all the necessary activities before placing the product(s) on the market. The Manufacturer is also responsible for the internal production control to ensure the product(s) are in compliance with the essential requirements of the above mentioned Regulation(s).

Date of Issue: Apr 25, 2021

This statement is based on a single evaluation of the sample(s) of above mentioned product. It does not imply an assessment of the whole production.

LABTEST TECHNOLOGY LABORATORY LTD
 Minhua Pukyo Bio Park, Jinxi Road, Pingshan, Shenzhen, CHINA. <http://www.labtest.com>

Certificate NO.: LBTC2104201405

Declaration of Conformity

The following product has been assessed by us with the listing standards and found in conformity with the EC Council Regulation of (EU) No 305/2011. It is possible to use **CE** marking to demonstrate the compliance with this CPR Regulation.

Report No.: LBTR2104201405

Applicant: Shenzhen Dragon Glass Co., Ltd
Address: C108, Yunhai enterprise headquarters base, No. 42 Caiyun Road, Jixiang community, Longcheng street, Longgang District, Shenzhen City, China

Manufacturer: Shenzhen Dragon Glass Co., Ltd
Address: Yunhai enterprise headquarters base, No. 42 Caiyun Road, Jixiang community, Longcheng street, Longgang District, Shenzhen City, China

Product Name: Laminated (Safety) Glass
Trade Name: N/A

Model No.: 3mm+0.76PVB+3mm, 4mm+0.76PVB+4mm, 6mm+1.52PVB+6mm, 8mm+1.52PVB+8mm, 10mm+1.52PVB+10mm, 12mm+1.52PVB+12mm, 15mm+1.90PVB+15mm, 19mm+3.04PVB+19mm.

EC Directives: CPR Regulation (EU) No 305/2011

Test Standards: EN ISO 12843-3:2011
 EN ISO 12843-3:2011

The referred test report(s) show that the product complies with the essential requirements in the above listed standards. The applicant is authorized to use this certificate in connection with the EC declaration of CPR conformity according to the Regulation.

The CE marking as shown below can be affixed on the equipment after the preparation of the necessary technical documentation as well as the conformity declaration by the manufacturer. Whereas the Manufacturer is responsible for the certification of the product(s) and not exempted from performing all the necessary activities before placing the product(s) on the market. The Manufacturer is also responsible for the internal production control to ensure the product(s) are in compliance with the essential requirements of the above mentioned Regulation(s).

Date of Issue: Apr 25, 2021

This statement is based on a single evaluation of the sample(s) of above mentioned product. It does not imply an assessment of the whole production.

LABTEST TECHNOLOGY LABORATORY LTD
 Minhua Pukyo Bio Park, Jinxi Road, Pingshan, Shenzhen, CHINA. <http://www.labtest.com>

Administrative Office: AMS, Inc.
 205 West Main Street, PO Box 730
 Sackett Harbor, NY 13685
 Phone: (315) 646-2234
 E-mail: staff@amscc.com

safety glazing certification council

ACKNOWLEDGEMENT OF CERTIFICATION

THIS IS TO ACKNOWLEDGE THAT AS OF THIS DATE
 Shenzhen Dragon Glass Co., Limited
 Shenzhen, Guangdong

IS A CURRENT LICENSEE AND HAS MET ALL GUIDELINES AND REQUIREMENTS FOR THE SGCCB CERTIFICATION PROGRAM AND AS SUCH IS ELIGIBLE TO LABEL THE BELOW INDICATED PRODUCT(S) AS SGCCB CERTIFIED. REPRESENTATION SAMPLES OF THE BELOW PRODUCTS HAVE BEEN FOUND TO BE IN COMPLIANCE WITH ANSI Z97.1-2009 OR 2015 AS INDICATED. CPSC 16 CFR 1201 STANDARDS, OR BOTH STANDARDS, KNOWN AS COMPOSITE CERTIFICATION (COMP), OR BOTH STANDARDS WITH CAN/CSB 12.1 KNOWN AS COMP+CAN.

SGCCB#	IN	MM	Attributes	INT	Type Code	Max Size	ANSI Class	Test Std	Year
4303	5/32	4			TTG	U	A	COMP+CAN	2009
4304	3/16	5			TTG	U	A	COMP+CAN	2009
4305	1/4	6			TTG	U	A	COMP+CAN	2009
4306	5/16	8			TTG	U	A	COMP+CAN	2009
4307	3/8	10			TTG	U	A	COMP+CAN	2009
4308	1/2	12			TTG	U	A	COMP+CAN	2009
4309	*	15	(3)		TTG	U	A	COMP+CAN	2009
4310	3/4	19			TTG	U	A	COMP+CAN	2009
4312	(H)	8-16+	(H)(A)	(030)	LTG	U	A	COMP+CAN	2009
4375	(H)	10-16+	(H)(A)	(060)	LTG	U	A	COMP+CAN	2009
5052	1/4	6			TBG	U	A	COMP+CAN	2009
5053	5/16	8			TBG	U	A	COMP+CAN	2009
5054	3/8	10			TBG	U	A	COMP+CAN	2009
5055	1/2	12			TBG	U	A	COMP+CAN	2009

THIS SGCCB PROGRAM CERTIFICATION IS CURRENT AND IN FULL EFFECT AS OF THIS ISSUE DATE. CERTIFICATION IN THE SGCCB PROGRAM IS SUBJECT TO SEMI-ANNUAL RENEWAL. PLEASE CHECK THE SGCCB WEBSITE AT WWW.SGCC.ORG OR THIS OFFICE FOR MOST CURRENT INFORMATION.

Thursday, July 14, 2019
 DATE OF ISSUE

1.16
 CERTIFICATION PERIOD

ADMINISTRATIVE MANAGER

SG-13 Last Revised By: K3-611-10 Last Approved By: K06-611-10

SCHEDULE TO STANDARD MARK LICENCE

Dragon Glass

SAI Global hereby grants
 ShenZhen Dragon Glass Co., Ltd.

Yunhai enterprise headquarters base, No. 42 Caiyun Road, Jixiang community, Longcheng street, Longgang District, Shenzhen, Guangdong, China, 518172

StandardsMark Licence

Manufactured to AS/NZS 2208:1996 - Safety glazing materials in buildings

Model identification of the goods on which the STANDARD MARK may be used:

Description	Type of Safety Glass	Glass Thickness Range (mm)	Colour	Grade	Formwork / Laminating Line	Maximum Loading / Laminated Size	Interlayer / Organic Film Manufacture	Interlayer / Organic Film Thickness	Interlayer / Organic Film Thickness	Date Endorsed
Fish-Plan	Heat Strengthened Laminated	10 - 24	Clear	A	Laminated Line 1	2440mm x 8000mm	Kingwood Trefoil	Clear PVB	0.76mm - 1.52mm	4 Dec 2003
Fish-Plan	Laminated	8 - 18	Clear	A	Laminated Line 1	2440mm x 8000mm	Kingwood Trefoil	Clear PVB	0.38mm - 1.52mm	8 Dec 2003
Fish-Plan	Toughened	5 - 19	Clear	A	Formwork 1	2440mm x 8000mm	Kingwood Trefoil	Clear PVB	1.14mm - 1.52mm	8 Dec 2003
Fish-Plan	Toughened Laminated	10 - 30	Clear	A	Laminated Line 1	2440mm x 8000mm	Kingwood Trefoil	Clear PVB	1.14mm - 2.28mm	8 Dec 2003

End of Record

Certificate No: SBR041413

Issued Date: 14 December 2023

This schedule supersedes all previously issued schedules

* For details of manufacture, refer to the licensee
 The SAI Global MARK is a registered certification trademark of SAI Global Pty Limited (A.C.N. 109 044 942) and is used under license by SAI Global Certification Services Pty Limited (A.C.N. 108 716 607) SAI Global's License 7 from 1.05.16 to 31.03.2025. This certificate remains the property of SAI Global and must be returned to SAI Global upon request. Refer to www.sai-global.com for the list of product models.

SAI GLOBAL
safety glazing services

Different standards for tempered glass panel

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 private house, our client plan to build a house in Africa, his hometown, and all glass and glass

fittings supplied by [Dragon Glass](#), including clear tempered glass shower cabin, [laminated glass for balustrade](#), IGUs for roofs, 12mm tempered glass for fencing, [IGU glass for windows](#).

5. 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/ISO9001, 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

[Dragon Glass group](#) 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 [contact our team](#).



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.