

# **Super quality 8mm+1.52pvb+8mm low iron tempered laminated glass panels for exterior glass railing systems**



## **What is 8mm+1.52pvb+8mm low iron tempered laminated glass panels for exterior glass railing systems?**

8mm+1.52pvb+8mm low iron tempered laminated glass panels for exterior glass railing systems is using two glass panels of 8mm low iron tempered glass to compose with a 1.52pvb interlayer forming a “sandwich” configuration. This “sandwich” laminated glass is undergoing in a high temperature and high pressure for over 6 hours, therefore forming a permanent combination. Tempered glass can endure super strong impact and no breakage, even when one panel is broken due to extreme high impact the pvb interlayer will glue the glass together without spreading the glass pieces away.



*Laminated glass panels cost*

## Features :

- Super strong: Single tempered glass strength is 5 times stronger than normal annealed glass, whereas laminated tempered glass can join two or more pieces of tempered glass together, therefore, making the glass super strong and tough
- Super safe: Even when one tempered glass panel is broken by extreme impact, the broken pieces of glass can still glue together with the interlayer material.

- High clearance: Normal clear glass transmittance up to 87%, the low iron glass will more, You can enjoy the wonderful scenery when you sitting on the deck
- Multiple designs available: Different glasses and different films can form different designs
- Splendid beauty

## **Benefits:**

**Safety:** Ordinarily we don't think of glass as synonymous with safety, but a quality manufacturer will supply pre-cut and sized panels and balusters that are able to meet or exceed International Residential and International Building codes (IRC and IRB). Glass panel railing systems also have the advantage of being made one of solid piece. This makes them safer for small pets and children that might otherwise try to stick arms, objects, or themselves through the balusters.

**Durability:** The material properties of glass make it resistant to degradation from the elements. UV rays and moisture do not cause the glass to break down like they do by causing rust in metal or rot and other deterioration in wood. This means that if the glass is kept safe from heavy impact, it can have a lifespan that exceeds that of other railing materials.

**Increased Property Value:** A home, condo, townhouse, or apartment with a glass railing on any outdoor space, whether it's a deck or balcony, will often see an increase in value. Aside from the way glass railings create a clear, unobstructed view, they also maintain their clean, beautiful look for years, which is a definite advantage when it comes to resale.



*Laminated glass panels cost*

## Specifications:

- **Production name:** 8+1.52pvb+8mm low iron tempered glass laminated glass
- **Glass color:** clear, ultra-clear, blue, green, bronze, grey, etc.
- **Glass thickness:** 4+4mm, 5+5mm, 6+6mm, 8+8mm, 10+10mm, etc, customizable.
- **PVB thickness:** PVB: 0.38, 0.76, 1.14, 1.52, 2.28, 3.04, etc; SGP: 0.89, 1.52, 2.28, etc.

- **PVB color:** Clear, other options such as milky white, pink, green, blue, bronze, yellow, purple, etc are available
- **Process:** Cutting; Edging; Drilling; Tempering; Laminating.
- **Size:**2440\*3660(max normal size) other special sizes need to negotiate.
- **Production time:**10-15 days

## **Quality:**

- Subject to AS;
- Subject to BS;
- Subject to CE;
- Subject to SGCC;
- Subject to CCC;
- Subject to ISO9001.etc

## **Applications:**

8mm+1.52pvb+8mm low iron tempered laminated glass panels for exterior glass railing systems with multiple designs:





*Laminated glass panels cost*

## **Production details:**

8mm+1.52pvb+8mm low iron tempered laminated glass panels for exterior glass railing systems is undergoing:

- Cutting;
- Edging;
- Drilling
- Tempering;
- Laminating;

▪ Packing;

Etc.



**Dragon glass Production Capacity**

Equipment	QTY	Output K ( m2/month)
Ceramic frit	1	20
Tempering	5	600
Coating	1	250
Laminating	3	120
IGU	4	80
Lisecc automatic plant	1	90



*Shenzhen Dragon Glass machines*

**Certification:**

**DECLARATION OF CONFORMITY**

Labtest Laboratory  
Certificate NO.: LBTG131122CE

**EC Declaration of CPD Conformity**

The following product has been tested by Labtest Technology Laboratory Ltd. with the testing standards and found in conformity with the EC Council Directive of 89/106/EEC. It is possible to use CE marking to demonstrate the conformity with this CPD Directive.

Report No.: LBTG131122CE  
 Applicant: SHENZHEN DRAGON GLASS CO., LTD  
 Address: Yunhai enterprise headquarters base, Longcheng street, Longgang, Shenzhen, China  
 Manufacturer: SHENZHEN DRAGON GLASS CO., LTD  
 Address: Yunhai enterprise headquarters base, Longcheng street, Longgang, Shenzhen, China  
 Product: Laminated (Safety) Glass  
 Model No.: 5mm+1.52+5mm, 6mm+1.52+6mm, 8mm+1.52+8mm, 10mm+1.52+10mm, 12mm+1.52+12mm  
 Trade Mark: N/A  
 Test Standards: EN ISO 12543-3:2011, EN ISO 12543-3:2011

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

CE Marking

Labtest Laboratory  
Date of Issue: No. 22, 2013

This certificate of conformity is based on a single evaluation of the submitted sample(s) of the above-mentioned product. It does not imply an assessment of the whole production and other relevant Directives have to be observed.

4F, Dongfangjia Building, Ziyao Road, Bao'an District, Shenzhen, P.R.China  
Tel: 86-755-83111982 Fax: 86-755-83111983 http://www.labtest.com

**RED** Research Engineering Development Facade Consultants Limited  
 研发幕墙顾问有限公司  
 • Tel: (852) 2867-0930 • Fax: (852) 2662-6185

**Report R19H01-1A**  
 on  
**Calibration of Oven No. 3**  
 for  
**Heat Soak Process for Tempered Glass**  
 to BS EN 14179-1: 2016  
 and  
 fulfilling the requirements of  
**Sections 8.1 & 9.3 of Code of Practice for**  
**Structural Use of Glass 2018 of**  
**Buildings Department of Hong Kong**

Prepared for:  
 Glass Supplier & Glass Fabricator:  
**SHENZHEN DRAGON GLASS CO., LTD**  
 Yunhai enterprise headquarters base, Longcheng,  
 Longgang District, Shenzhen, China

Research Engineering Development  
 Facade Consultants Limited  
 Valid Period: from 2 August 2019 to 1 August 2020  
 Issue Date: 2 August 2019

**QUALITY MANAGEMENT SYSTEM**  
**CERTIFICATE**

Certificate No.: 18716Q110200R05

We hereby certify that  
**Shenzhen Dragon Glass Co., Ltd**  
 Unified social credit code/Organization code:91440300062733301Q  
 Address: Yunhai enterprise headquarters base, Longcheng,  
 Longgang District, Shenzhen, China

by reason of its  
 Quality Management System  
 has been awarded this certificate for compliance with the standard  
**ISO 9001:2015**

The Quality Management System Applies in the following area:  
 Sales of Building Glass (Float Glass, Tempered Glass, Laminated  
 Glass, Insulated Glass, Mirror Glass and Other Safety Glass)  
 Inapplicable Clause: 8.5.3

Date of Issue: Nov.09, 2016 Date of Validity: Nov.09, 2019

Surveillance Audit (The first time)	Surveillance Audit (The second time)	Surveillance Audit (The third time)

(The quality management system is subject to yearly surveillance audit within the period of validity, the certificate is valid only when used together with an Acceptance Notice of Surveillance Audit issued by SDCC.)

Issued by: 尹雪晨

This certificate and its relevant information can query in the website of Certification and Accreditation Administration of the People's Republic of China (www.cca.gov.cn)

SHENZHEN SHINDA INTERNATIONAL CERTIFICATION CO., LTD  
 Address: 201, Ansheng, Qianxin first road 1, Qianhai Shenzhen-Hong Kong Cooperation zone, Shenzhen, China

**IGCC** INSULATING GLASS CERTIFICATION COUNCIL  
 Administrative Management Systems, Inc.  
 205 West Main Street, P.O. Box 730  
 Sackett Harbor, NY 13685  
 Phone: (315) 848-2277  
 Fax: (315) 848-2287  
 E-mail: igcc@amscc.com

**IGMA** International Glass Manufacturers Association  
 1000 North 17th Street, Suite 100  
 Tempe, AZ 85284  
 Phone: (480) 967-1000  
 Fax: (480) 967-1001  
 E-mail: igma@igma.org

**ACKNOWLEDGEMENT OF CERTIFICATION**  
 THIS IS TO ACKNOWLEDGE THAT AS OF THIS DATE  
**Shenzhen Dragon Glass Co., Ltd**  
 Shenzhen, Guangdong

IS A CURRENT LICENSEE AND HAS MET ALL GUIDELINES AND REQUIREMENTS FOR THE IGCC/IGMA CERTIFICATION PROGRAM AND AS SUCH IS ELIGIBLE TO LABEL THE BELOW INDICATED PRODUCT(S) AS IGCC/IGMA CERTIFIED. THE FOLLOWING ARE IN COMPLIANCE WITH ASTM E1196 FOR SEAL DURABILITY OF INSULATING GLASS UNITS AND PASSING GAS CONTENT INITIAL AND AFTER WEATHERING (IGCA) CERTIFICATION REQUIREMENTS AS INDICATED.

CERT.#	GLASS	SPACER	FRAME CONST.	DESICCANT	SEALANT	IGCA
4333	U/C2	MA	BC4/GSLC	LF	PIB/S2	No

THIS IGCC/IGMA PROGRAM CERTIFICATION IS CURRENT AND IN FULL EFFECT AS OF THIS ISSUE DATE. CERTIFICATION IN THE IGCC/IGMA PROGRAM IS SUBJECT TO SEMI-ANNUAL RENEWAL. PLEASE CHECK THE CURRENT CERTIFIED PRODUCTS DIRECTORY OR THIS OFFICE FOR MOST CURRENT INFORMATION.

Friday, February 15, 2019      February 1, 2019 - January 31, 2020  
 DATE OF ISSUE      CERTIFICATION PERIOD

Administrative Manager

IG 14 Last Revised By: TSB 6/1/16 Last Approved By: TSB 6/1/16

**SGCC** safety glazing certification council  
 Administrative Office, AMS, Inc.  
 205 West Main Street, P.O. Box 730  
 Sackett Harbor, NY 13685  
 Phone: (315) 848-2277  
 E-mail: sgcc@amscc.com

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**Shenzhen Dragon Glass Co., Limited**  
 Shenzhen, Guangdong

IS A CURRENT LICENSEE AND HAS MET ALL GUIDELINES AND REQUIREMENTS FOR THE SGCC CERTIFICATION PROGRAM AND AS SUCH IS ELIGIBLE TO LABEL THE BELOW INDICATED PRODUCT(S) AS SGCC CERTIFIED. REPRESENTATION SAMPLES OF THE BELOW PRODUCTS HAVE BEEN FOUND TO BE IN COMPLIANCE WITH ANSI Z97.1-2008 OR 2015 AS INDICATED, CGC 16 CFR 1201 STANDARDS, OR BOTH STANDARDS, KNOWN AS COMPOSITE CERTIFICATION (COMP), OR BOTH STANDARDS WITH CAN/CSA 12.1 KNOWN AS COMP-CAN.

SGCC#	IN	MM	Attributes	INT	Typn Code	Max Size	ANSI Class	Test Std	ANSI Z97.1 Year
4303	6/32	4			TFG	U	A	COMP-CAN	2008
4304	3/16	5			TFG	U	A	COMP-CAN	2008
4305	1/4	6			TFG	U	A	COMP-CAN	2008
4309	5/16	8			TFG	U	A	COMP-CAN	2008
4307	3/8	10			TFG	U	A	COMP-CAN	2008
4308	1/2	12			TFG	U	A	COMP-CAN	2008
4309	5/8	15			TFG	U	A	COMP-CAN	2008
4310	3/4	19			TFG	U	A	COMP-CAN	2008
4312	091	8-18+	(W/A)	(L330)	LTG	U	A	COMP-CAN	2008
4575	091	10-18+	(W/A)	(L360)	LTG	U	A	COMP-CAN	2008
5052	1/4	6			TBG	U	A	COMP-CAN	2008
5053	5/16	8			TBG	U	A	COMP-CAN	2008
5054	3/8	10			TBG	U	A	COMP-CAN	2008
5055	1/2	12			TBG	U	A	COMP-CAN	2008

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

Thursday, July 14, 2019      July 1, 2019 - June 30, 2020  
 DATE OF ISSUE      CERTIFICATION PERIOD

Administrative Manager

SG 11 Last Revised By: SGC 6/1/16 Last Approved By: SGC 6/1/16

**Certificates**

**Packing and delivery:**

Strong plywood crates packing to ensure the laminated glass products safety during the long distance transportation.





*Packing details of exterior glass railing*

# What do the laminated glass panels cost?

8mm+1.52pvb+8mm low iron tempered [laminated glass](#) panels for exterior glass railing systems will rely on several factors like:

- Glass quantity;
- Installation method(holes or no holes);
- Need metal accessories or not;

Etc.

We [Shenzhen Dragon Glass](#) provides super good quality and the best balcony glass price for clients around the world, if you need your accurate laminated glass panels cost, welcome to contact us now!

Would you like to check our quality? Welcome to get a free sample now!