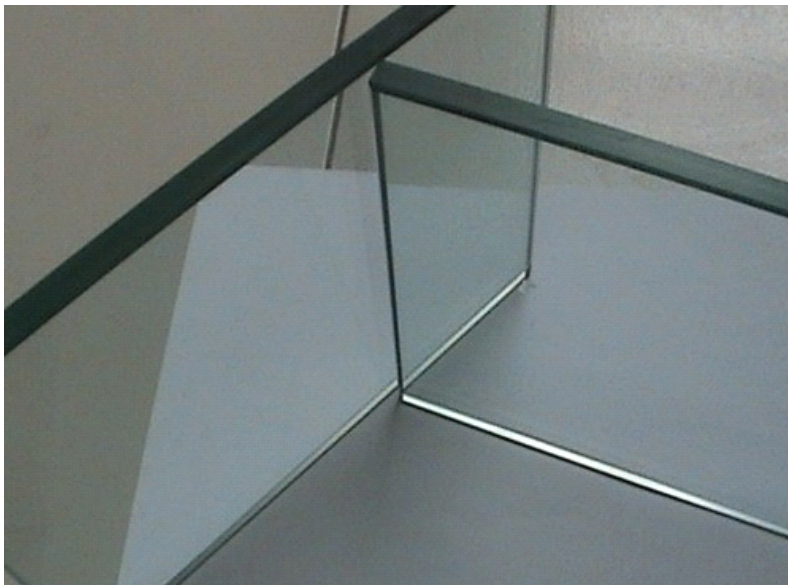


Sunny Glass Co.Ltd.

Sunny Glass Co.Ltd is founded in the year of 1993, is a processing enterprise which is professional in building glass and decorative glass . Our company is located in Dayao Industrial Park, Huangdao Zone, Qingdao City , around our company, the environment is beautiful and the traffic is convenient. The production facility in our company is advanced , and own the professional sales and workers, are professional in all kinds of Toughened Glass, Hollow Glass, Insulated Glass, Frosted Glass, Low-e Hollow Glass, Fireproof Glass, Bulletproof Glass, Coated Glass, and other all kinds of decorative glass and the glass used in the furniture.

1. Toughened Glass / Tempered Glass



Features:

- 1) 5 times harder than ordinary float glass.
- 2) Once breakage occurs, the glass disintegrates into small cubical fragments, which are relatively harmless to human body.
- 3) It withstands abrupt temperature change of 220 Centigrade.
- 4) Sizes are produced as per customer request. Once tempered, can not be cut down.

Toughened Glass/Tempered Glass Parameters:

1. Visible Light Transmittance $\geq 91\%$
2. Iron content: $\leq 120\text{ppm Fe}_2\text{O}_3$
3. Density: 2.5g/CC
4. Yong's Module: 73Gpa

5. Tensile Strength: 42Mpa

Toughened Glass/Tempered Glass Standard:

China GB15763.2-2005 and 9963-1998; Europe EN 12600: 2002, 16 CFR 1201; America ASTM C1048; UK BS 6206: 1995

Glass Types: Float Glass, Pattern Glass

Colors: Clear, Green, Grey and Bronze etc.

Thickness: 4mm-19mm.

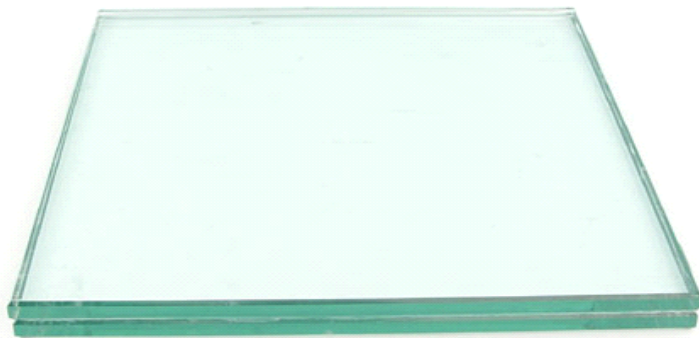
Size: Max. 2440x3600mm, could be produced as per request.

Packing: Sea Worthy Wooden Cases by Interlayer Paper

Unit Price: Negotiable

Shipment Terms: By sea or train

2.Laminated Glass / Sandwich Glass



Laminated glass/Sandwich glass/Interlayer glass is manufactured by using heat and pressure to bond a layer of tough elastic film (PVB) between 2 or 3 layers of flat glass. It has good sound insulation and reliability. Made of kinds of glass products such as low-e high-performance reflective glass and enameled glass. It consists of laminated glass. Laminated insulating glass, laminated hot bent glass and laminated bullet resistant glass. Etc. Besides the transparent PVB, we can also provide milky white or other colors PVB with different patterns.

Features:

1. High safety, even glass destroyed by outside force, it only cause crackle instead of breaking into pieces.

2. Fine sound insulation.
3. Anti-ultraviolet ray, meanwhile the sunlight is entering room, it can filter UV light to prevent indoor decoration and furniture from fading as well as protect people's health.
4. By increasing the thickness of PVB and the sheets of glass. It can be made into bullet resistant glass and high strength decorative glass.
5. Two independent deionized water cleaning systems, which is used for producing the laminated glass of LOW-E.

PVB on the 4th layer.

PVB films is used to bond 2 sheets of glass.

Laminated glass/Sandwich glass/Interlayer glass size:

Max. Siz: 2440x3660mm

Min. Size: 300mm*300mm

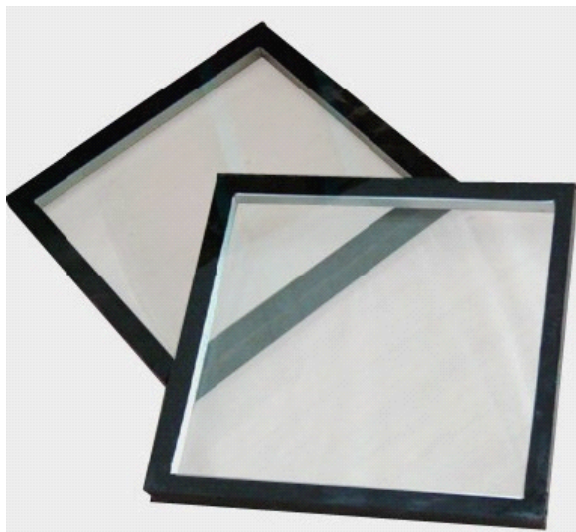
Thickness of PVB film: 0.38mm-3.04mm

Laminated glass/Sandwich glass/Interlayer glass thickness(mm): 3+0.38+3, 4+0.38+4, 5+0.38+5, 6+0.76+6, 10+1.52+10, 8+1.14+8, etc

The colors of the film include transparent, milk, blue, dark grey, light green, bronze, etc.

Laminated Glass/Tempered Glass Standard: EN 12543; ANSI Z 97.1 200; BS 6206

3.Hollow Glass



Hollow Glass/Insulated Glass/Insulating Glass Applications

- Window and door
- Facades, cladding and curtain walls
- Automobile, train, vessel
- Refrigerator

Max Size: 2500mm x 3500mm (except for manual production)

Min Size: 180mm x 350mm

Air or argon spacer gap: 6mm, 9mm, 12mm, 15mm, 16mm

Glass thickness: 5+9A+5mm; 6+12A+6mm; 6+16A+6mm; 8+12A+8mm; 8+16A+8mm; Etc

Color: Neutral, light blue, Ford blue, dark blue, ocean blue, light gray, blue gray, light green, dark green, gold, bronze, etc

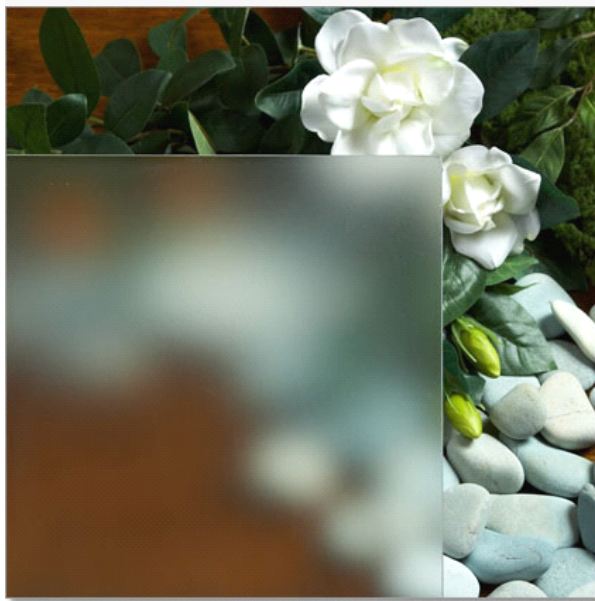
Quality Standards

GB/T11944, Chinese standard.

EN 1279, European Standard.

ASTM E 2190, American standard

4.Frosted Glass



The Frosting Glass/Acid Etched Glass/Decorative Glass Application:

The Frosting Glass/Acid Etched Glass/Decorative Glass can be widely used in refrigerators, air conditioners,

microwave ovens and other appliances and interior partition panels

(such as the kitchen door, the balcony door, living room partition doors, etc.), guest houses, hotels, restaurants, places of family and high doors,

windows, partition, backdrop, decoration, wall,

bathroom, furniture, doors and windows, etc., make life more wonderful, more exotic, widely used in modern life.

Our products mainly have High quality silver mirror glass mosaic (with pink mirror, gold mirror), screen printing glass, sandblasted glass, embossed glass.

Frosting Glass/Acid Etched Glass/Decorative Glass Specification/Size:

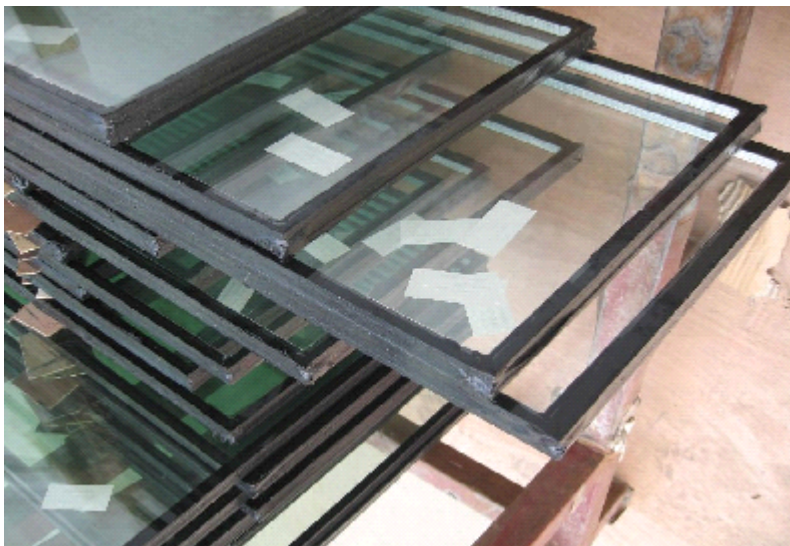
Maximum: 800mm X 2200mm(for glass of 4mm thickness), 2400mm X 5000mm(for glass of 5-19mm thickness)

Minimum: The diagonal of glass no less than 25mm.

Thickness:3mm-19mm

Packing: Packed as your request.

5.Low-e Hollow Glass



Hollow Glass/Insulated Glass/Insulating Glass Features:

1. Fine heat-protection
2. Fine sound-protection, if combined with laminated glass, the result will be better.
3. If combined with rebar or hollowed glass, it will become hollowed safety glass.
4. If used in temperature variety great place, the result of antilogy will be better.

Hollow Glass/Insulated Glass/Insulating Glass Applications:

- Window and door
- Facades, cladding and curtain walls
- Automobile, train, vessel
- Refrigerator

Hollow Glass/Insulated Glass/Insulating Glass Specifications:

Max Size: 2500mm x 3500mm (except for manual production)

Min Size: 180mm x 350mm

Air or argon spacer gap: 6mm, 9mm, 12mm, 15mm, 16mm

Glass thickness: 5+9A+5mm; 6+12A+6mm; 6+16A+6mm; 8+12A+8mm; 8+16A+8mm; Etc
Color: Neutral, light blue, Ford blue, dark blue, ocean blue, light gray, blue gray, light green, dark green, gold, bronze, etc

6.Flameproof Glass



Flameproof Glass

The fireproof glass is a kind of glass which can fire resistance, higher strength, processable, excellent characteristic of bearing with climate and will meet requirement of state regulations.

New Standard for Flameproof Glass:

- 1) 6mm, is Level 3 fire prevention, fire resistance period is 45 min
- 2) 8-10mm, is Level 2 fire prevention, fire resistance period is 60 min
- 3) 12-15mm, is Level 1 fire prevention, fire resistance period is 90 min

Advantage:

- 1) We can process various fire-retardant glasses as per your requirement.
The max. Size of one sheet is 2440x1830mm for all the thickness.
- 2) Normally we can load 9-10 crates of weight 2500kgs each into one container. The gross weight is from 23 to 25 tons each 20' container.
- 3) Packed in standard wooden crates, paper interleaving.
- 4) Minimum order: One 20 feet container or mixed loading in one 20 feet container.

5)Transportation: By sea or multi-transport, combined transport.

Size:

1)Max size: 2440*6500mm,

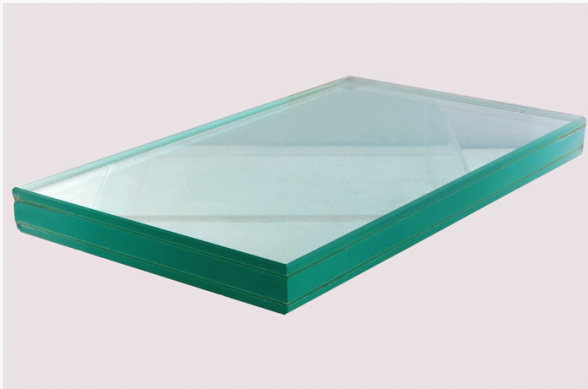
2)Min size: 150*300mm

3)Thickness: 6-15mm

4)Single or double glasses are available.

5)Can be compounded into laminated glass, insulated glass, anti fire and bulletproof glass, coated glass, painting glass etc.

7.Bulletproof Glass



Product features:1. Professional bulletproof: High mechanical strength, can effectively block High-speed flyer, can not easily be punctured by the bullet.

2. Strong security: Excellent strength and toughness

3. Good adhesion property

4. Anti-ultraviolet: Can effectively resist the ultraviolet radiation injury human body and fading color of indoor items

5. Sound-proof and heat insulation: Can reduce the noise's spread and interference, reduce the external temperature influence.

Scope of application:

1. Bank

2. Jewelry store

3. Insurance system

4. High-class villas

5. Some building which with high security request

Implementation of the standards:

National standards: GB17840-1999

Glass standards: GA165-1997

8.Coated Glass



It is manufactured by depositing multiple layers of metallic mixture onto the clear float glass by a magnetically enhanced cathodic vacuum deposition sputtering process. These qualities enable this coated glass to be processed (tempered, laminated, curved and screen -printed) while still retaining its aesthetic and technical benefits. The Reflective glass can be used in single (coating inside) or double glazing, with the coating on face which has better thermal insulation.

The Reflective glass product characteristics

Variety transmission improves visual comfort, it means to provide optimum light transmission, thus allowing natural daylight into the interiors and reducing glare.

The normal thickness is: 5mm/6mm/8mm

The normal size is: 2440*3300/2134*3300/3050*2440/3050*3660mm.

The colour can be: Grey. Blue, green, brown, gold.

9.Hot bending or curved toughened glass



Material: Float glass

Thickness: 3-19mm

Art: Tempered and hot bending

FEATURES:

- 1) 5 times harder than ordinary float glass.
- 2) Once breakage occurs, the glass disintegrates into small cubical fragments, which are relatively harmless to human body.
- 3) It withstands abrupt temperature change of 220 Centigrade.
- 4) Sizes are produced as per customer request. Once tempered, can not be cut down.

Glass Types: Toughened Glass, Float Glass, Pattern Glass

Colors: Clear, Green, Grey and Bronze etc.

Size: max. 2440x3600mm, could be produced as per request.

Packing: Sea Worthy Wooden Cases by Interlayer Paper

Unit Price: Negotiable

Shipment Terms: By sea or train

According to building laws, the place must use safety glass: Windows and another parts of building;

Glass railings and escalator railings; The windows of cars and ships; Glass tabletop and display shelf; Indoor decoration and furniture etc.

10.Silver Mirror



Features:

1. Made of non-wave float glass.
2. Double coated, waterproof paint.
3. Exact image, high reflectivity
4. Thickness: 3mm, 4mm, 5mm, 6mm
5. Size: 1500*2000mm

1800*2400mm

1900*2400

2000*2400

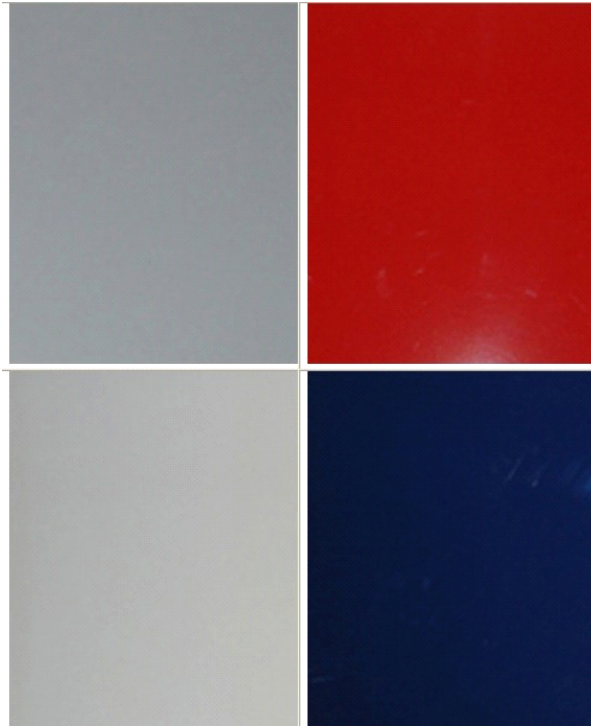
1650*2200

2440*3660

Or the size will be produced as your request.

6. Widely used as material mirror for bathroom mirror, safety mirror, shaped mirror. The mirror surface is clear and bright, giving distinct and lifelike image.
7. The planting layer is rigid and bond and the protective layer impregnable with good erosion-resistance.
8. Edge working available.
9. Safety film available

11.Painting Glass



The lacquer that bake glass, it is a kind of extremely rich expression of decorative glass varieties, can through the spraying, roller coating, screen printing or curtain coating, and other ways to reflect. Apply to vitreous mesa glass setting wall glass fence BaoZhu glass glass step glass partition glass ceiling slippery floor illicit close space store internal and external space design.

Product Description

Product Range and Specifications

Colors: Customized color, pattern

Thickness(mm): 3~12mm

General Size(mm):

1220*1830 1220*2134 1220*2440 1500*2000 1524*2134 1524*2440 1830*2134 1830*2440
2134*2440 2134*3300 2134*3660

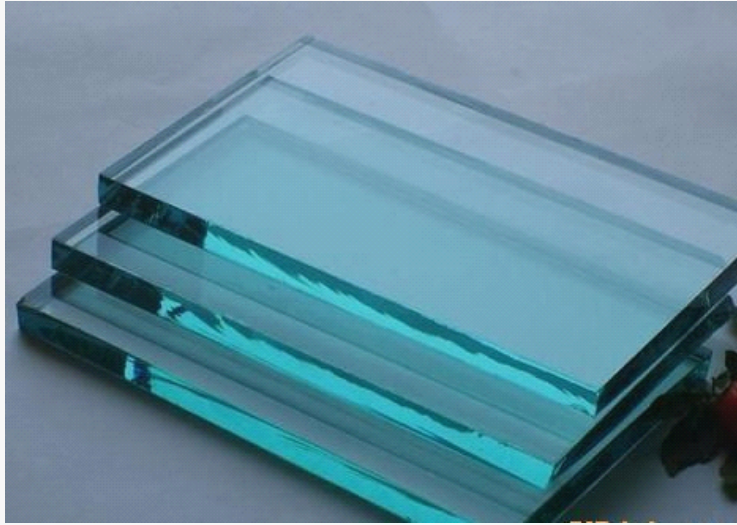
Max. Size: 96"*144" (2440*3660mm)

(We can also customize your special requirements.)

Applicable Range

Window and door, Partitions, Furniture and decoration, etc

12.Float Glass



Clear Float Glass

High-quality clear float glass is an important raw material for the glass deep-processing industry because of its unduplicable permeability and purity, which is widely used in off-line coating, mirror coating, melting and processing of other decorative glass.

SIZE:

Produce according to the customers requirement! .

THICKNESS:

3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 15mm, 19mm etc.

MOQ: 1x20 FCL (Can mix less than 3 kinds, such as Pattern, Float, Mirror Glass)

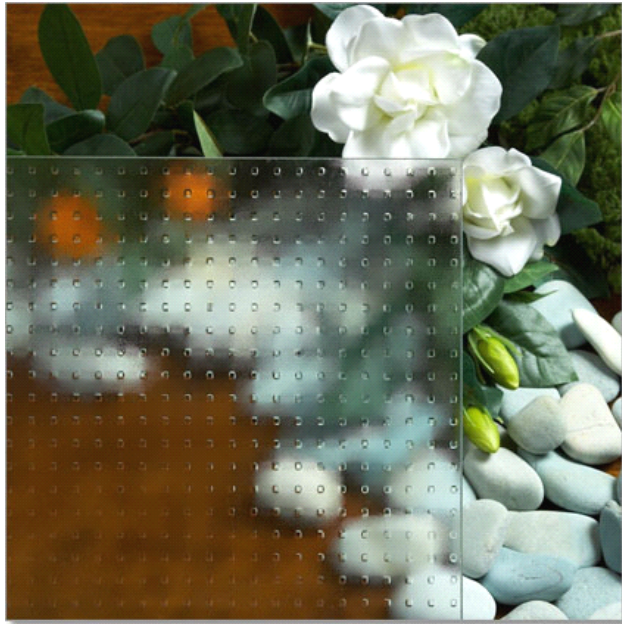
Feature:

1. Smooth and ripple-free surface with better perspectivity.
2. Flexible specifications are available to reduce the loss when cutting.
3. Materials for all levels of glass processing are available.

APPLICATIONS:

Building, Mirror Plate, Furniture, Decoration, Optical Instruments and Vehicles

13. Patterned Glass



Patterned glass is a kind of decorative translucent flat glass with embossed patterns on one or both surfaces. with the special property of decoration, patterned glass can fully allow the light to pass through and on the other hand, can limit or prevent clear view effectively.

Features:

1. Rich and colorful pattern designs provide unique decorative results: Or obscure and quiet, or sparkling and lively, or serious and elegant, or bold and generous.
2. Tangible stereoscopic patterns will never fade.
3. Each distinctive pattern offers a different level of obscuration, providing privacy without sacrificing natural light.
4. Can be cut, ground, drilled, tempered, laminated and printed, etc.

Thickness: 3mm, 4mm, 5mm, 6mm and 8mm

Colors: Bronze, Grey, Blue, Green and Amber etc.

Patterns: Aqualite, Bamboo, Beehive, Canelado, Chinchilla, Crystal, Diamond, Flora, Karatachi, Masterlite, Millennium, Mistlite, Morgon II, Moru, Nashiji, Puzzle, Rain and Wanji etc.

Delivery Time: In two weeks after order confirmation.

14.Silk Printing Glass



Silk Printing Glass is custom-made by transferring a silk-screen image to the glass and then processing it through a horizontal tempering furnace. Each individual lite is screen-printed with the desired pattern and ceramic enamel frit color. The ceramic frit can be silk-screened onto the glass substrate in one of three standard patterns—dots, lines, holes—or in a full-coverage application. In addition, custom patterns can be easily duplicated on the glass. Depending on the pattern and the color, the glass lite can be made transparent, translucent or opaque.

Applications

We offer a variety of silk printing decorative glass products to satisfy a wide range of applications

Glass refrigerator panels

Microwave ovens

Glass doors

Bathroom

Shower enclosures

Size

Min size: 300*300mm

Max size:2440*3660mm

Thickness:4-19mm

