

CITI GLASS GROUP LIMITED, is one of the largest glass manufacturers in China, with a wide range of glass processing and modern technology, we are producing tempered glass, laminated glass and insulated glass for buildings, skyscrapers, curtain wall, windows, furniture and electrical appliances (such as ovens, freezers and LCD.)

Tempered Glass-

Introduction

The process of tempered glass is to heat the original glass to a very high temperature and cool it down rapidly to form the surface compressive on the glass. According to the shape it can be divided into the fully tempered glass and the heat strengthened glass (also called semi-tempered glass).

Product Characteristics

The tempered glass is 3-4 times as strong as the common glass. Broken by the external force, it will become the bean-sized scrap, so as to lessen or avoid the injury to human body. The tempered glass has the virtues of high degree of precision, low rate of self-blast and without stressing flaw.

Product Specifications

Maximum size: 6000mm × 2440mm

Minimum size: 300mm × 300mm

Thickness: 2 -25mm (tempered)

Standards: BS6206, ASTM1048-97,

JISR3206-96, DIN18516.



Note: The tempered glass will sometimes self-blast due to the characteristics itself. The cause is about the NiS, which turns into instability after heating and sudden cooling. The possibility of self-destruction is low, yet it can't be wiped out. To minimize the chances of self-blast, we have large heat-soaked furnace to detonate the potential danger of the tempered glass. Once being heat-soaked, the self-destruction probability will be reduced from 1/1000 to 1/100,000.



Curved Tempered Glass

Introduction

Curved tempered glass is the curved-surface safety glass processed by heating the ordinary glass to fit certain arc and radius and then cooling it down suddenly to make the surface turned curved and the facial intensity increasing greatly. Curved tempered glass can meet the need for beauty of external glass of building.



Product Characteristics

The products of curved tempered glass can be directly put in use or they can be processed into high standard compound products such as laminated glass of curved tempered, insulated glass of curved tempered, ceramic glass of curved tempered, etc.

Product specifications

Maximum size: 3500mm × 2400mm
Minimum size: 300mm × 600mm
Thickness: 5 -10mm (R> 500mm)
12 -25mm (R> 800mm)



Precise Cutting (Italian Machine)



Silkscreen Printing



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Laminated Glass

Introduction- What is Laminated Glass?

Laminated glass provides strength and beauty, durability and clarity to meet a wide variety of design needs. Long lasting and versatile, it is the only glazing material that combines the durability and strength of glass with the toughness of plastic.

Laminated glass is made by bonding two more layers of glass, using heat and pressure, with one or more interlayers of polyvinyl butyral resin (PVB). The result is a tough, adaptable glazing material that offers outstanding features to meet a wide variety of design challenges.



Depending on design needs, laminate glass can be man made with sheets of annealed, and/or tempered glass. It is easy to work with and replace, and provides important structural performance features and benefits:

Safety

Laminated glass by California Glass Bending Corp. resists penetrations from impacts. When broken, the glass adheres to the resilient PVB interlayer, remaining relatively harmless, unlike ordinary glass which may create dangerous shards, or tempered glass, which when broken losses integrity by 'dicing', thus voiding the opening in the structure or vehicle.

Sound Control

Laminated glass significantly reduces noise transmission. The viscoelastic properties of the interlayer along with it's glass layers provides a damping effect on unwanted noise.

Energy Control

The use of laminated glass with a tinted interlayer reduces heat gains from sunlight, and can help reduce energy costs. The interlayer can also be blended with tinted and coated glasses to increase it's efficiency.



UV Control

The PVB interlayer provides controls of UV rays that damage draperies, art and furnishings. It blocks 99.9% of damaging UV rays that are inherent in sunlight.



This glass is particularly suitable where it is important to ensure the resistance of the whole sheet after breakage such as: shop-fronts, balconies, stair-railings, roof glazing.

Product Characteristics

1. Good safety performance, anti-bumping and shocking, piercing resistance.
2. Good soundproof and heat isolation effect.
3. Strong UV resistance.
4. Diversified colors (black /white /orange /yellow /grey /green.).
5. Durable and fadeless.



Product Specifications

Maximum size: 3000mm × 7500mm

Minimum size: 300mm × 300mm

Thickness: 4 -80mm

Number of layers: 1-4

PVB color: Clear, milky, gray, blue, green, pink and bronze, etc.

PVB thickness: 0.38mm, 0.76mm and 1.52mm or above.

Standards: JISR3205; BS6206.

PVB Film colors available:



Insulated Glass / Hollow Glass

Introduction

The insulated glass is a prefabricated unit made of two or more glass sheets with alloy aluminum frame filled with descant between, which are edge-sealed together with compound sealing glue.

Insulated glass consists of two or more layers of glass, which are sealed together with air or gas between the two layers. This creates a highly efficient thermal unit that removes humidity from the air when the edges are later sealed and enhances thermal performance by reducing the amount of heat loss. Gas filled insulated glass also enhances sound control.

Product Characteristics

1. Energy saving, noise-insulation, warm keeping, dew proof.
2. Charging in special gases, such as argon gas may further improve heat and sound insulation.

Product Specifications

Maximum size: 2400mm × 4500mm

Minimum size: 200mm × 200mm

Maximum thickness: 60mm

Aluminum frame width: 6mm, 9mm, 12mm, 15mm and 18mm.

Standards: JISR3205; BS6206.



The insulated glass walls have been designed with tried and tested storefront systems available all over the world. Aluminum channels at top and bottom hold them in place. Silicone joints take care of the vertical seams so that there is a minimum of material to block sight lines.

DXGLASS can create insulated glass from other types of glass, such as laminated or tempered glass, and is capable of handling glass which measures up to 90" x 157". Plus, we use several highly refined processes to make sure our insulated glass meets the most stringent requirements you'll need for your clients.



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Projects Accomplished



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