



# PLANET GLASS

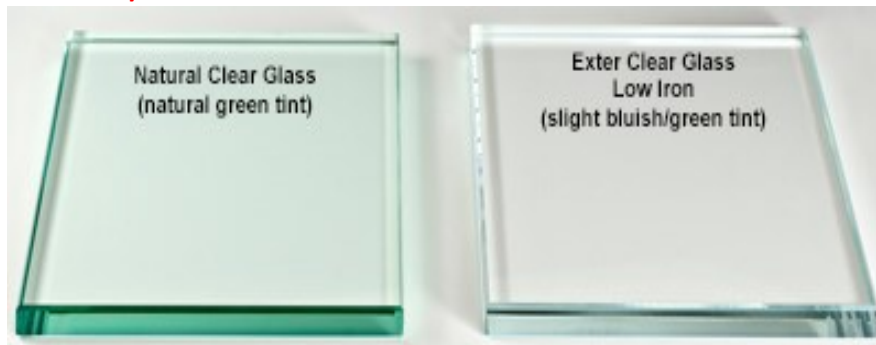
# PLANET GLASS

PASSION FOR QUALITY & SERVICE

PRE QUALIFICATION DOCUMENT

**Specialist in:**

### 1) Extra Clear & Clear Glass of All Thickness



The extra clear glass is a type of float glass, which has very low iron content and hence is also called low iron glass. The iron content in float glass is usually 830 – 850 ppm (parts per million), while iron content in an extra clear glass is less than

150 ppm. It allows almost 92% of visible light to be transmitted.

Clear Glass is a glass manufactured in the float line without any tint, allowing it to be transparent in nature. This transparent and clear finish ensures clarity of vision with true colours of the objects

### 2) Coloured, Extra Clear & Clear Mirrors

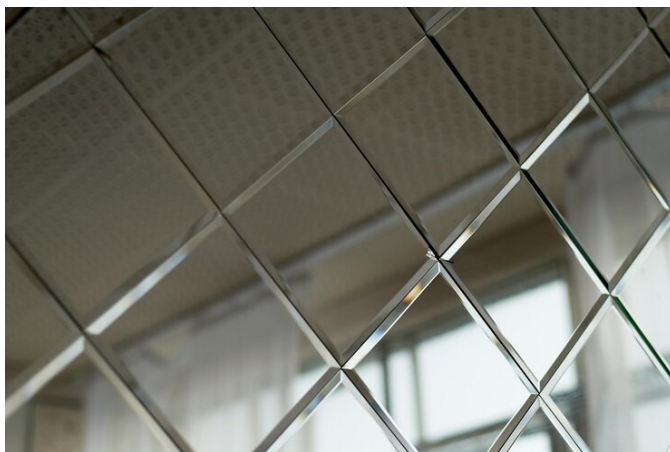


**Clear Mirror:** Clear glass with a silver backing, copper and paint. This is the standard mirror used in the majority of applications.

**Extra Clear Mirror:** This product is processed using high grade silica, sodium oxide and lime.

**Coloured Mirror:** Mirrors come in a wide variety of shapes, sizes, styles and even colours,

EX. (Blue, Grey, Brown, Champagne, Green, Rose Pink, Violet)



### 3) Customized Back painted Glass



Back painted glass does not allow much grime or dirt to settle on its surface and is also very easy to wipe clean.

The multiple coatings of paint make this glass very strong and durable. It is remarkably simple to customized paint glass for most back painted applications. Water based paint is the simplest back paint to use in terms of application and clean-up. You can clean up with soap and water.





#### 4) Modular Kitchen Glasses

Plain coloured back painted glass is a classic, fail-safe choice, as well as the most widely available. Select a tempered style to guard against breakage. You



can either use single flat panels, as in this modular kitchen, or go with decorative mullions to enhance your kitchen's design.



#### 5) Display Unit Glasses



A display Unit (also called showcase, display cabinet, or vitrine) is a cabinet with one or often more transparent tempered glass, used to display objects for viewing.







## 6) Architectural Glasses



Architectural glass is glass that is used as a building material. It is most typically used as transparent glazing material in the building envelope, including windows in the external walls. Glass is also used for internal partitions and as an architectural feature. When used in buildings, glass is often of a safety type, which include reinforced, toughened and laminated glasses.

## 7) Tempered Glasses in All Thickness

Tempered or toughened glass is a type of safety glass processed by controlled thermal or chemical treatments to increase its strength compared with normal glass. Tempering puts the outer surfaces



into compression and the interior into tension. Such stresses cause the glass, when broken, to shatter into small granular chunks instead of splintering into jagged shards as ordinary annealed glass does. The granular chunks are less likely to cause injury.

Tempered glass is used for its safety and strength in a variety of applications, including passenger vehicle windows, shower doors, aquariums, architectural glass doors and

tables, refrigerator trays, mobile phone screen protectors, bulletproof glass components, diving masks, and plates and cookware.

## 8) PDLC Switchable Smart Glass

What is PDLC Glass??



PDLC stands for Polymer-Dispersed Liquid Crystals which can be engineered into end-products such as smart windows, smart glass displays and smart consumer electronics, giving privacy, security and energy efficiency.

How does PDLC Glass work??



PDLC Film consists of a polymer matrix of liquid crystals enclosed by electrically conductive Indium Tin Oxide-coated PET film. ... When an electric field is applied across the material, the PDLC droplets re-orient, and subsequently the extraordinary refractive index of the liquid crystal matches that of the polymer.

### 9) Lamination Glasses EVA + PVB

Laminated glass (LG) is a type of safety glass that holds together when shattered. In the event of breaking, it is held in place by a thin polymer interlayer, typically of polyvinyl butyral (PVB), ethylene-vinyl acetate (EVA), ionoplast polymers, cast in place (CIP) liquid resin, or thermoplastic polyurethane (TPU), between its two or more layers of glass.



The interlayer, made through heat and pressure, keeps the layers of glass bonded even when broken, and its high strength prevents the glass from breaking up into large sharp pieces. This produces a characteristic "spider web" cracking pattern when the impact is not enough to completely pierce the glass. The thermoset EVA offers a complete bonding (cross-linking) with the material whether it is glass, polycarbonate, PC, or other types of products.

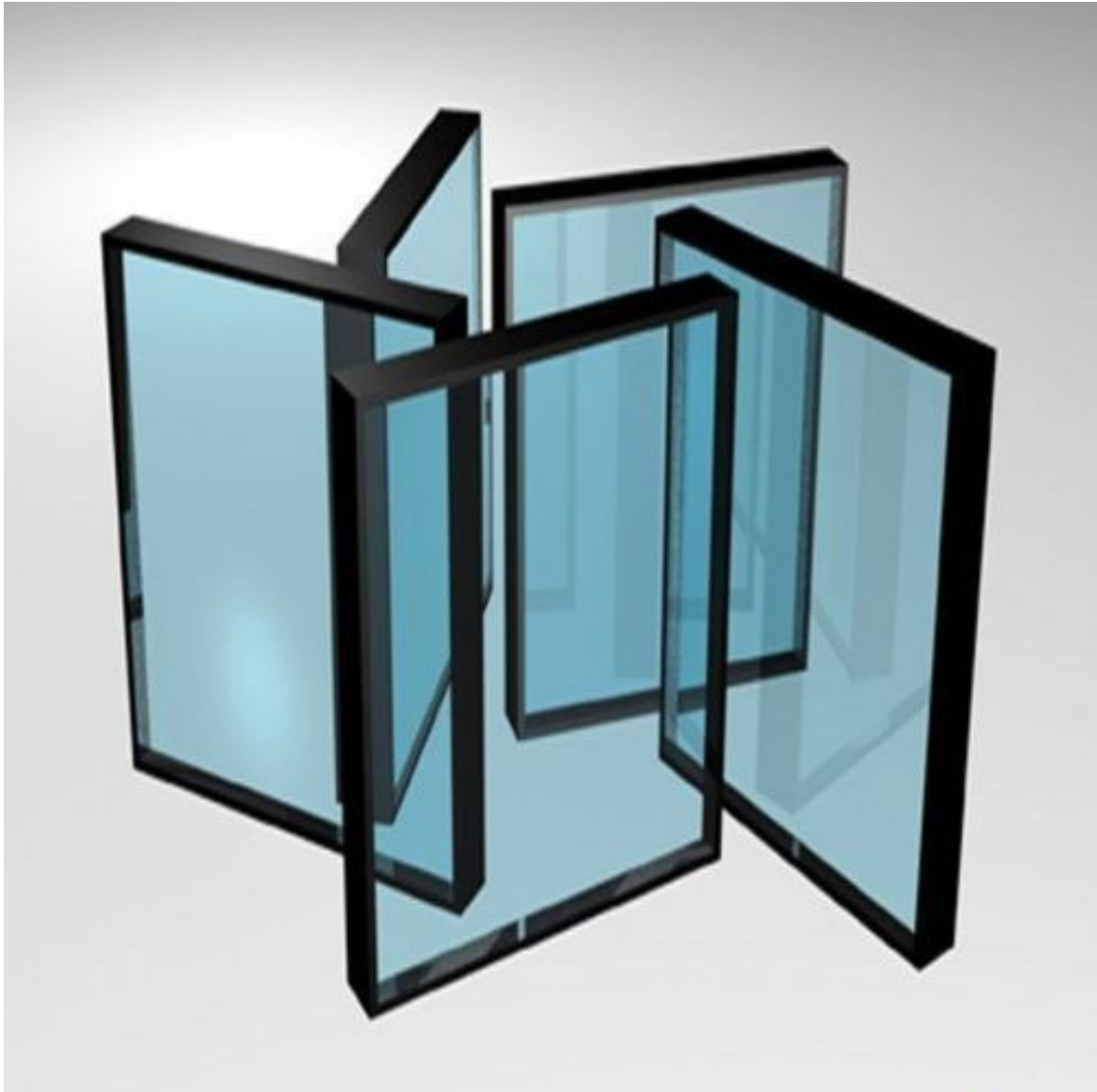
### 10) DGU (Double Glazed Units) Glasses

DGU Glass or Double glazing units comprise of two panes of glass that are separated with a spacer and filled with argon gas in the gap between the two layers of glass. The glass is further finished on the sides and is ready for installation.





## Aracteristics of DGU Glass



### **The characteristics of DGU glass are –**

They are very good for heat insulation as they do not allow the inside air to go out or the outside heat to come in. It acts as a barrier. This helps in energy saving and reducing recurring electrical costs.

It provides very good sound insulation in between the interiors and exteriors. They are widely used in both commercial and residential buildings which are located in densely populated areas where there is lot of noise pollution.

Once the DGU glass is installed it cannot be repaired if there is any leakage of the gas. Proper sealants should be used to seal the glass and prevent leakage.

It is resistant to UV light and prevents the fading of fabric and furniture.

Tempered glass, Heat strengthened glass could also be used making it a safety glass.

## 11) Magnetic Board & Office Partition Glasses



Magnetic glass boards are some of the most durable and useful products on the whiteboard market. ... The rare earth magnets are strong enough to reach the steel through the glass, which allows the glass to seem magnetic.



## 12) Home Interior Glasses:

(Partitions, Dividers, Design Railings, Staircase, Shower Cubicles, Wall Glass Concepts, Center Tables, Dining Tables).

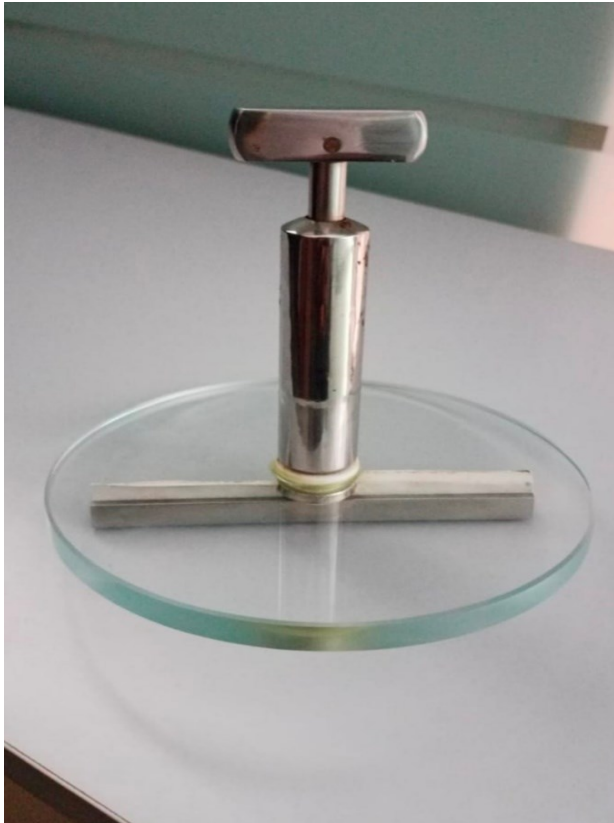




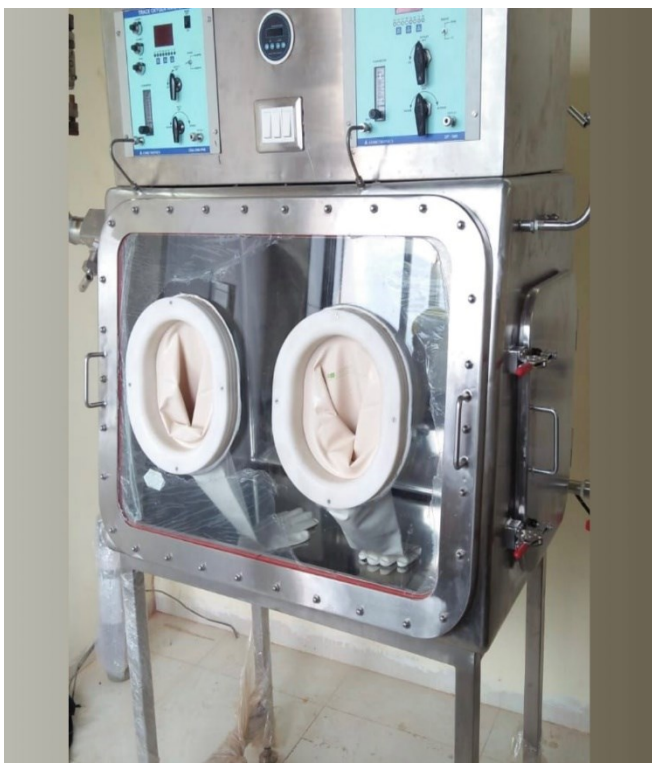




### 13) Engineering & Industrial Glass Specialist:



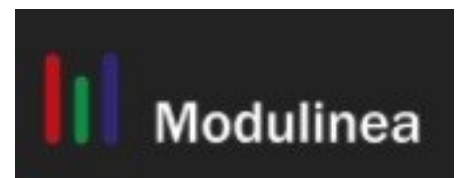
- Borosilicate Toughened Glass with Wiper Assembly.
- Nitrogen Purging Glove Box Machine Glass.
- Reverse Laminar Air Flow Machine Glass.
- Reactor Charging Glove Box Machine Glass.
- Pre filled Syringes Filling and Stoppering Machine Glass.
- Line for Ampoules Machine Glass.
- Containment System Glass.
- Mono block automatic machine Glass.
- Clean Room Solutions Glass.



Our Exclusive Client:



SUN ENGINEERING





**PASSION FOR QUALITY & SERVICE**

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