

Ultra Clear Glass also name Super [Clear Glass](#), Super White Glass, low iron glass, someone also name Starphire glass, Optiwhite glass. Ultra-white glass is a kind of ultra-transparent low-iron glass, also known as low-iron glass, high transparent glass.

It is a high-quality, multi-functional new high-grade glass varieties, the light transmission rate above of 91.5%, with is crystal clear, high-grade and elegant features, in the glass family said of "Crystal Prince". Ultra-white glass has all the processed performance same as the high-quality float glass, can be like other high-quality [float glass](#) to make deep processing. Unparalleled superior quality and product performance to let ultra-white glass has a broad application space and bright market prospects.

## Unique advantages:

### 1. Lowly of glass self-explosion

ultra-white glass relative to ordinary glass has a more uniform composition, its internal impurities more less, thus after tempered greatly reducing the possibility self-explosion.

### 2. Color consistency

The raw material content the Iron only of the normal clear float glass 1/10 or even lower, Ultra-white glass relative to the ordinary glass the green wavelengths of visible light is absorb less. To ensure the color consistency.

### 3. Visible light transmittance is highly, good permeability

The UV transmittance high than ordinary glass. With Crystal-clear quality like the crystal, to let the display products more clearly, more better to showing exhibits more real. The normal clear float glass no have this feature.

### 4. The market is large, high technical content, with strong profitability

Ultra-white glass technology content is relatively high, production control is difficult, with strong profitability relatively of ordinary glass. The high quality determines its high price, ultra-white glass price is 1 to 2 times of ordinary glass, the cost is relatively of the ordinary glass been increase more, but the technical barriers are relatively high, high added value. Value.

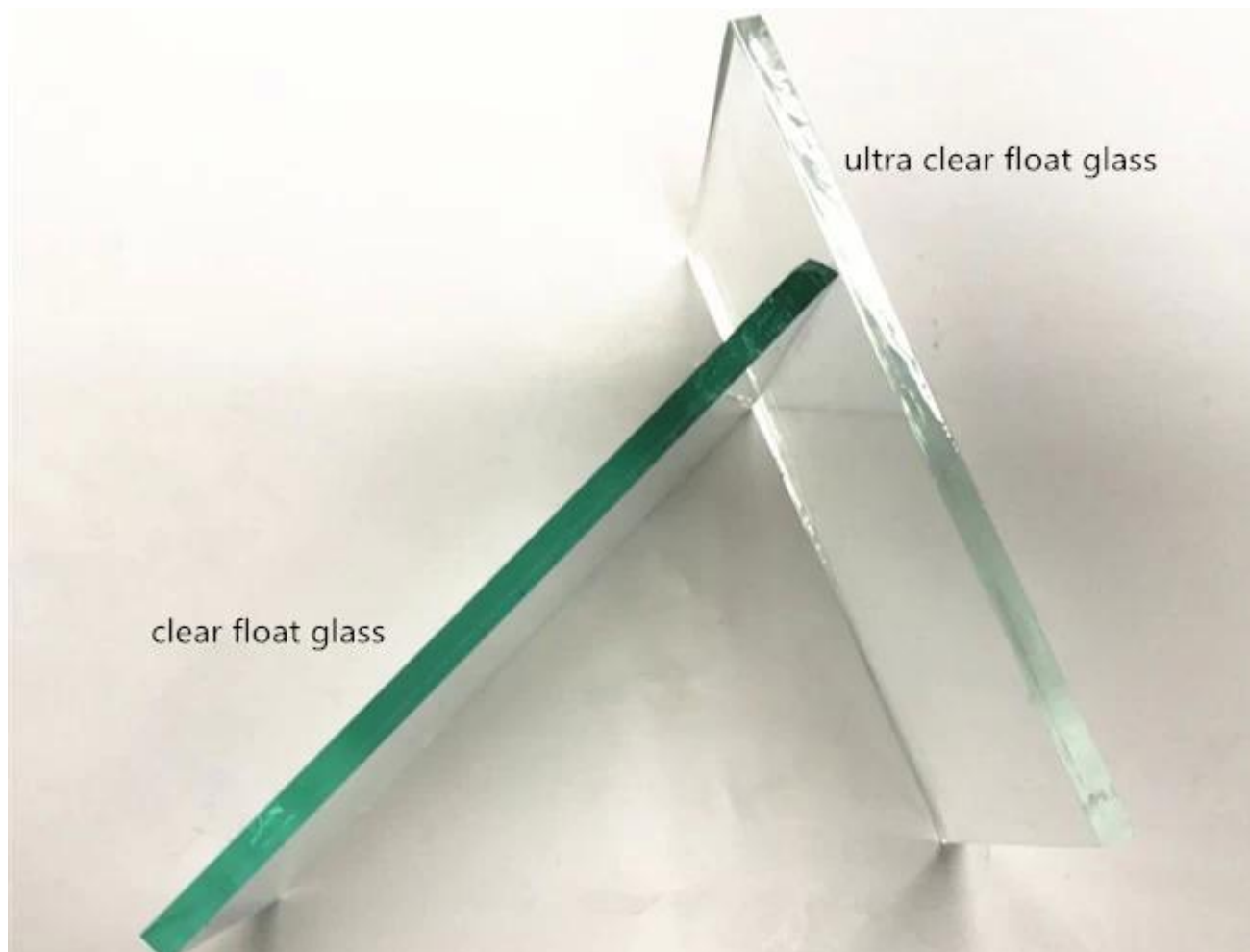
## 3mm Low Iron Float Glass Performance Data

Low Iron Float Glass Performance Data

| Thickness | Visible Light Transmittance | Visible Light Reflectivity | Solar Radiant Heat |         |        |                 | Shading Coefficient |           |       | U Value (W/m <sup>2</sup> K) | Sound Insulation |         | UV Penetration |
|-----------|-----------------------------|----------------------------|--------------------|---------|--------|-----------------|---------------------|-----------|-------|------------------------------|------------------|---------|----------------|
|           |                             |                            | Direct Penetrate   | Reflect | Absorb | Total Penetrate | Short Wave          | Long Wave | Total |                              | Rm (dB)          | Rw (dB) |                |
| 3 mm      | 92.0%                       | 8.0%                       | 91.0%              | 8.0%    | 1.0%   | 91.0%           | 1.05                | 0.01      | 1.05  | 5.8                          | 26               | 30      | 85             |
| 3.2 mm    | 91.8%                       | 8.0%                       | 91.0%              | 8.0%    | 2.0%   | 91.0%           | 1.03                | 0.01      | 1.05  | 5.8                          | 26               | 30      | 84             |
| 4 mm      | 91.6%                       | 8.0%                       | 90.0%              | 8.0%    | 2.0%   | 91.0%           | 1.03                | 0.01      | 1.05  | 5.8                          | 27               | 30      | 82             |
| 5 mm      | 91.5%                       | 8.0%                       | 90.0%              | 8.0%    | 2.0%   | 90.0%           | 1.03                | 0.01      | 1.03  | 5.8                          | 29               | 32      | 81             |
| 6 mm      | 91.4%                       | 8.0%                       | 89.0%              | 8.0%    | 3.0%   | 90.0%           | 1.02                | 0.01      | 1.03  | 5.7                          | 29               | 32      | 79             |
| 8 mm      | 91.0%                       | 8.0%                       | 88.0%              | 8.0%    | 4.0%   | 89.0%           | 1.01                | 0.01      | 1.02  | 5.7                          | 31               | 34      | 76             |
| 10 mm     | 91.0%                       | 8.0%                       | 88.0%              | 8.0%    | 4.0%   | 89.0%           | 1.01                | 0.02      | 1.02  | 5.6                          | 33               | 36      | 74             |
| 12 mm     | 91.0%                       | 8.0%                       | 87.0%              | 8.0%    | 5.0%   | 88.0%           | 1                   | 0.02      | 1.01  | 5.5                          | 34               | 37      | 72             |
| 15 mm     | 90.0%                       | 8.0%                       | 86.0%              | 8.0%    | 6.0%   | 87.0%           | 0.99                | 0.02      | 1     | 5.5                          | 35               | 38      | 71             |
| 19 mm     | 90.0%                       | 8.0%                       | 84.0%              | 8.0%    | 7.0%   | 86.0%           | 0.97                | 0.02      | 0.99  | 5.5                          | 37               | 40      | 70             |

for reference only.

## Super clear float glass VS clear float glass:

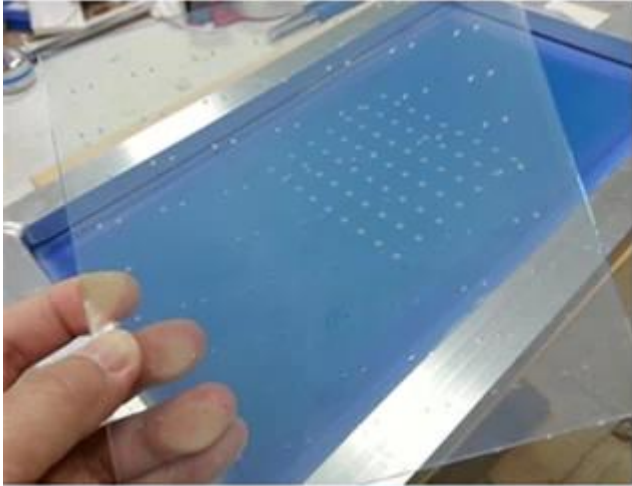


A glass greenhouse with glass as lighting materials, glass greenhouse as the longest life of a form, suitable for a variety of areas and a variety of weather conditions. 3mm [Tempered Ultra Clear Glass](#) or 3mm ultra clear float glass for Greenhouse, because of ultra clear glass with with super high light transparency above 92%, the Sun light easy to through and more better for greenhouse cropping.

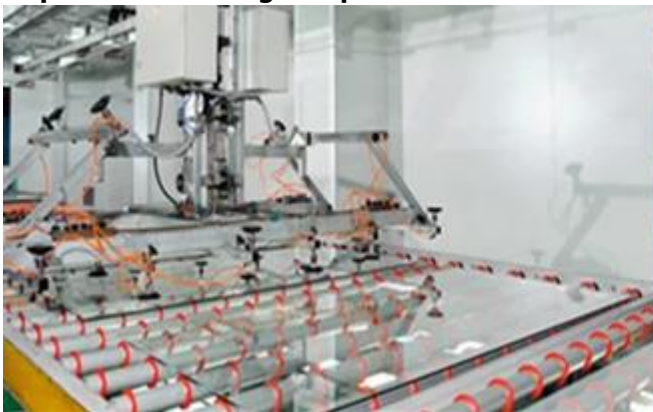


The glass substrate of solar photovoltaic power generation system, need to use 3mm ultra-white glass, because of 3mm super-white glass has super high light transmittance and high quality been widely to used on solar panel filed.





**Super white float glass production:**



**Ultra clear float glass Loading:**

