

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.

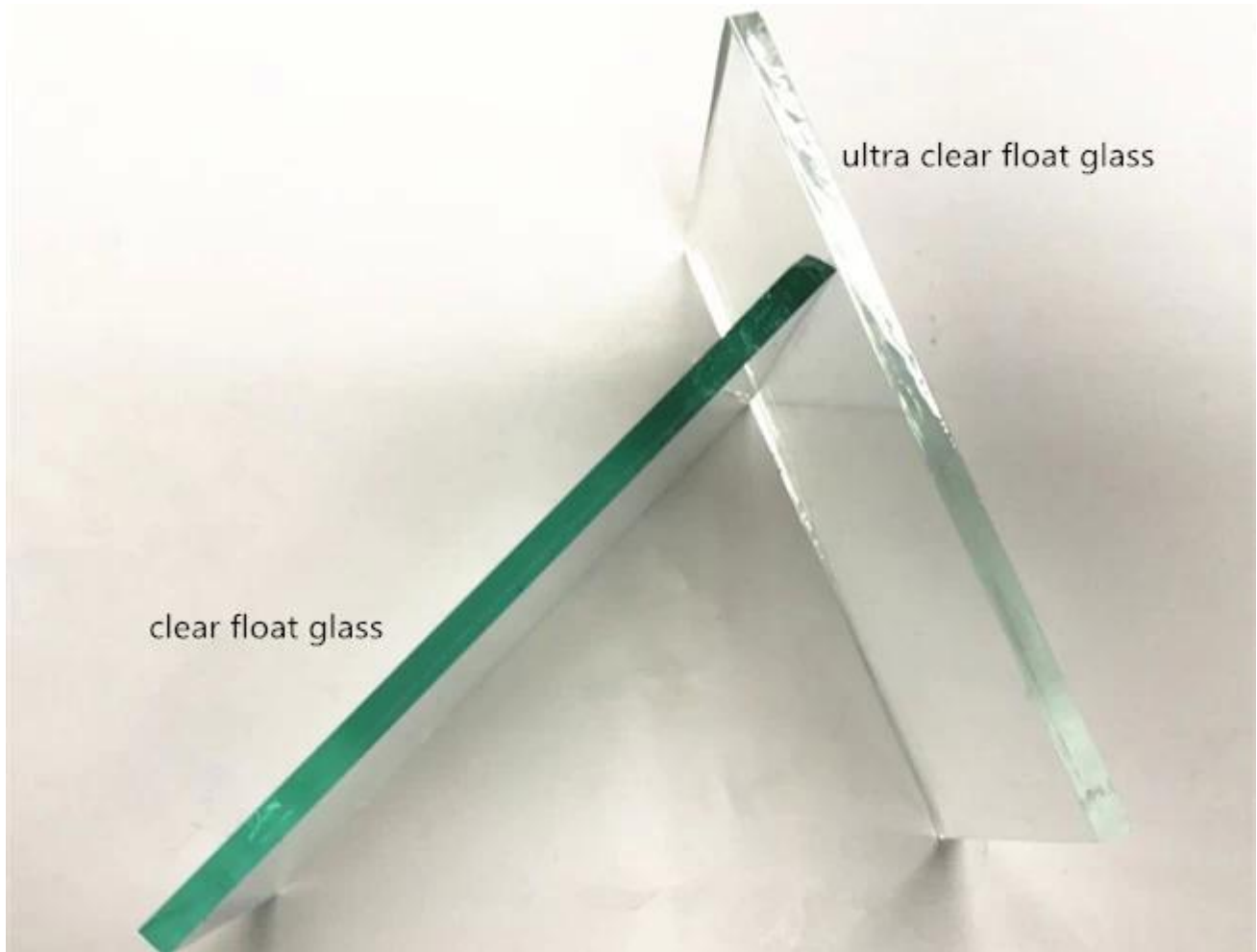
**3mm Low Iron Float Glass Performance Data**

Low Iron Float Glass Performance Data

Thickness	Visible Light Transmittance	Visible Light Reflectivity	Solar Radiant Heat				Shading Coefficient			U Value (W/m2K)	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.

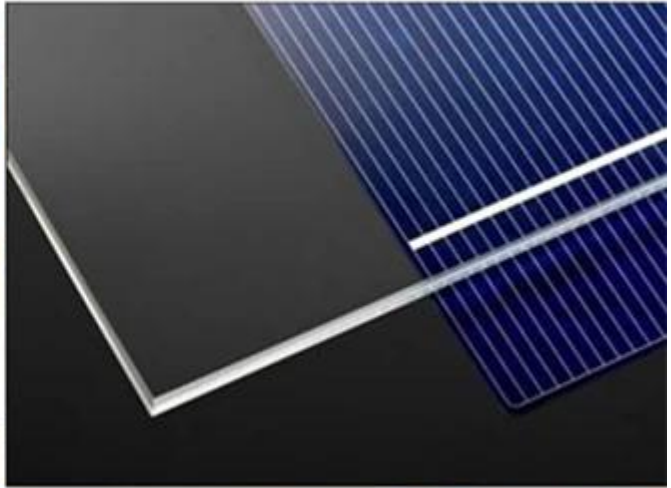
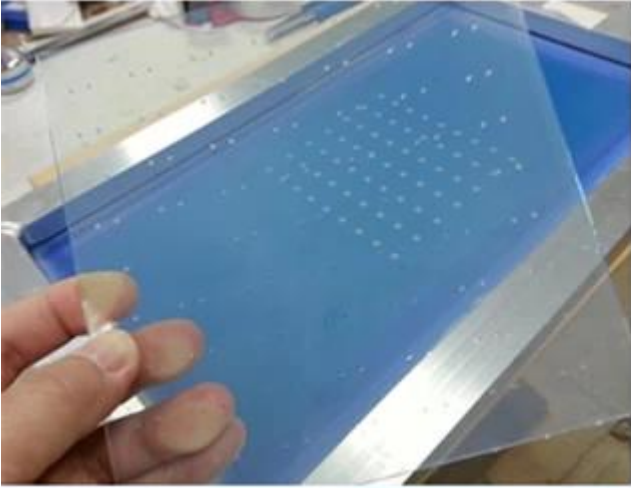
**Super clear float glass VS clear float glass:**



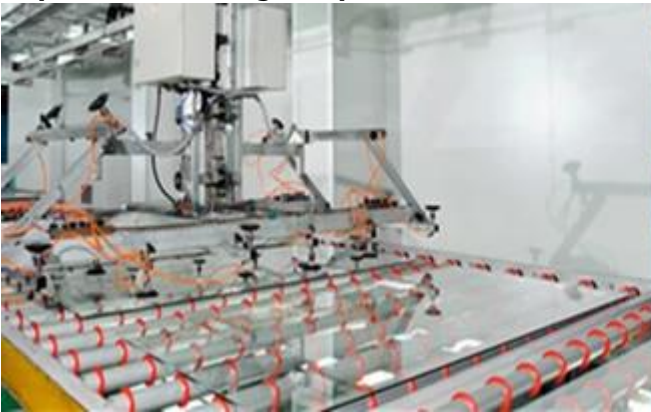
A glass greenhouse with glass as lighting materials, glass greenhouse as the longest life of a form, suitable for a variety of areas and a variety of weather conditions. 3mm [Tempered Ultra Clear Glass](#) or 3mm ultra clear float glass for Greenhouse, because of ultra clear glass with with super high 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:**

