

High quality 6mm crystal clear glass china manufacturer

JIMY Ultra clear float glass is a kind of exceeding clarity low iron glass, which is also called low iron glass, crystal clear glass, super white glass, Extra clear float glass, Starphire glass, Optiwhite glass, with high transmittance achieves above 91.5%. It has the character of glitter and translucent, elegant and graceful, which has the title of "crystal prince" in glass family. Ultra clear float glass also have all the process-able performances same as the high quality float glass, such as: Predominant physical, mechanical and optical characters, so it can be processed as other high quality float glass, such as cut to size, edge polished, mirrored , tempered, laminated, insulated, hot bending, acid etched, and so on.

Advantages of Low iron float glass:

*Low Iron clear glass comparison to standard float glass has more benefits, Particularly, it is characterized by a higher transparency and a more neutral color, making glass ideal where high visibility and clarity are required.

*The Colored Low Iron Glass displays true color with no green tint underlay, regardless of panel thickness. Coloring the glass is monitored according to strict standards, ensuring the perfect hue every time.

*Crystal clear glass is suitable for screen printing, acid etching, heat treatment and decorating with ceramic colors. Its outstanding photometric properties allow technical applications such as solar and thermal collectors.

Application of low iron glass

Where you need more clarity, Ultra clear float glass is a perfect choice. Some of the common uses of low iron glass are as follows:

Store facade ,Skylights
Greenhouses ,Solar panels
Glass Fish Tanks
Cabinet Doors
Windows
Jewelry Showcases
Table tops
Shower doors

What is the 6mm low iron float can be processed to which type products?

6mm low iron mirror glass
6mm extra clear tempered glass
6mm ultra clear laminated glass
6mm super clear frosted glass
6mm ultra clear acid etched glass
6mm super clear silk screen printed glass
Many other

Low-iron float glass performance data sheet:



JIMY
Professional glass manufacturer

Low Iron Float Glass Performance Data

| Thickness | Visible Light Transmittance | Visible Light Reflectivity | Solar Radiant Heat | | | | Shading Coefficient | | | U Value (W/m ² 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.

The difference between 6mm low iron float glass and [6mm clear float glass](#)

Low Iron or Starphire glass which is 99% crystal clear glass.
Clear Float glass which has an instinctive greentint on glass side



low Iron Curved Glass Railing

A [laminated glass](#) made with low iron glass is much clear and this is the main reason why people opting low iron glass for their laminated glass need.

6mm low iron tempered glass+1.52mmPVB+6mm low iron tempered glass

6mm low iron tempered glass+[3.04SGP](#)+6mm low iron tempered glass



6mm extra clear round [tempered glass](#) table tops

[Glass table tops](#) used extra clear float glass to make it look much more clear and high quality, is the best choice for high-end restaurant and hotel.



Safety packing and loading for super clear float glass:

