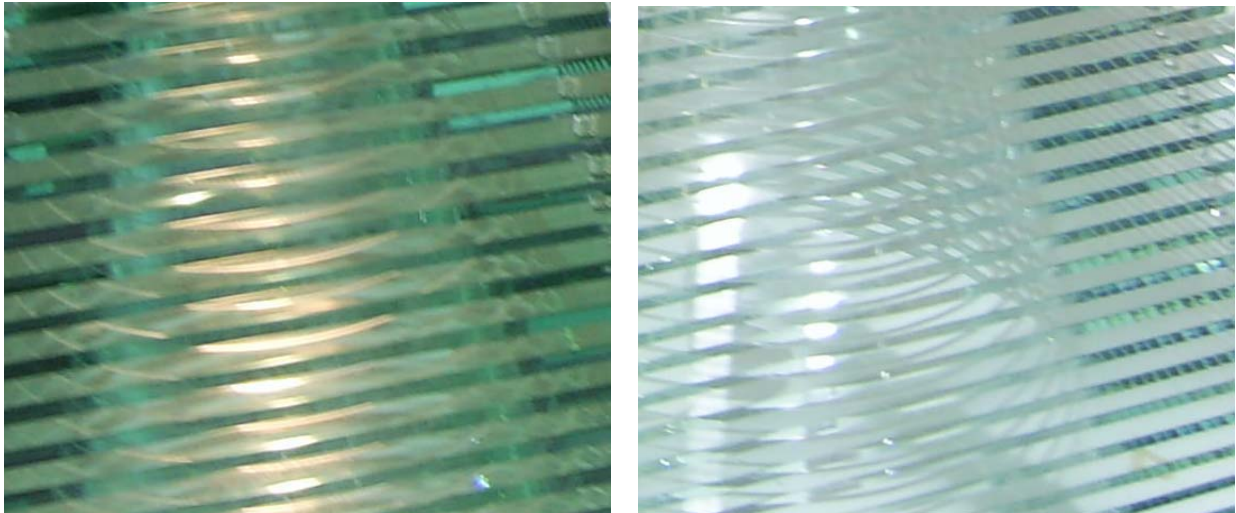


## ULTRA CLEAR GLASS

Common float glass looks green to certain degree. Especially when the glass is thickened or piled together, such phenomenon is more obvious. At present, the architectural designers have required higher optical requirements for the permeability of glass, thus the low-iron glasses occurred. Ultra-clear glass has very strong light transmittance. Its perfect transparency assures you to be able to obtain more perfect visual effect of natural color.



**Visual comparison of low-iron glass and common glass**

### ***Dimensions of ultra-clear glass***

Max. Size: 2440 MM X 3660 MM

Min. Size: 300 MM X 300 MM

The Range of Thickness:Toughened glass 4 MM ~ 19 MM

### ***Application Range of ultra-clear glass***

Show case of museum, large theatre, counter of gold shop, hall of hotel, partition of ball, point-supporting curtain wall, door and window, botanical garden, greenhouse, aquarium, furniture and shower room, etc.

### ***Quality Control***

Conformity to GB/T11944-2002 " the National Standard of Glass"

## Product Technical Parameters

	Visible Light Transmittance	Visible Light Reflectivity	Solar Radiant Heat				U Value W/m2K	UV Penet Ration	
			Direct Penetrate	Reflect	Absorb	Total Penetrate		Solar Energy sources Series	Architecture Series or else
3mm	91.5%	8%	91%	8%	1%	91%	5.8	88%	76%
3.2mm	91.5%	8%	91%	8%	2%	91%	5.8	88%	75%
4mm	91.4%	8%	90%	8%	2%	91%	5.8	87.5%	73%
5mm	91%	8%	90%	8%	2%	90%	5.8	87%	71%
6mm	91%	8%	89%	8%	3%	90%	5.7	86.5%	70%
8mm	91%	8%	88%	8%	4%	89%	5.7	85.4%	68%
10mm	91%	8%	88%	8%	4%	89%	5.6	84%	66%
12mm	91%	8%	87%	8%	5%	88%	5.5	82.5%	64%
15mm	90%	8%	86%	8%	6%	87%	5.5	81%	61%
19mm	90%	8%	84%	8%	7%	86%	5.5	78%	58%
22mm	90%	8%	82%	8%	9%	85%	5.5	74%	55%

## Mechanical Parameters

Elasticity Modulus	73.1 Gpa
Rupture Modulus (tensile Strength –ultimate)	41.4 Mpa
Knoop hardness	456kgf/mm <sup>2</sup>

## Physical Parameters

Density	2.5076 g/cm <sup>3</sup>
20~300°C Linear coefficient of Expansion 20~300°C	9.28 x 10 <sup>-6</sup> /°C
Linear Coefficient of Expansion 20~450°C	9.75 x 10 <sup>-6</sup> /°C
Transformation Temperature	556°C
Intenerate Temperature or Yield Point	606°C
Softening Point	710°C
Annealing Point	547°C
Strain Point	513°C
Log2 High Temperature Viscosity log2	1392°C
Log3 High Temperature Viscosity log3	1152°C
Log4 High Temperature Viscosity log4	996°C
Liquid Phase Temperature	1008°C