

Export 4-12mm bronze blue green gray black colored tinted security tempered glass, [China tinted tempered glass exporter](#)

Colored tempered glass introduction

Colored decorative safety tempered glass, is produced by heating color tinted float glass to over 600°C and cooling it rapidly, which locks the outer surfaces of the glass in a state of high compression, and the center of the glass in compensating tension, to improve the glass carrying capacity, enhance the glass performance of wind resistance, impact resistance, heat resistance, etc.



Tinted float glass performance data

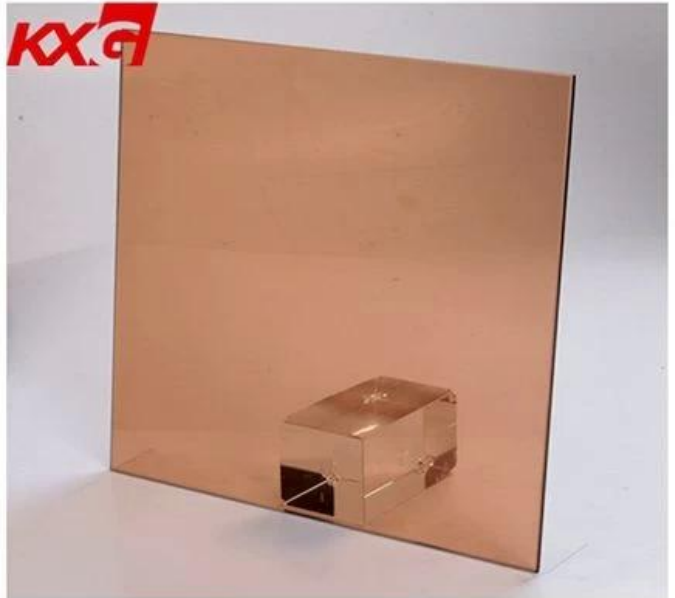
Color	Thickness	Visible Light Transmittance	Visible Light Reflectance	UV Light Transmittance	Direct Sunlight Transmittance	Direct Sunlight Reflectance	Total Solar Transmittance	Shading Coefficient (SC)	RHG	K Value (Summer Daytime)	K Value (Winter Night)
Euro Bronze	5mm	51.94%	6.44%	14.52%	51.78%	6.69%	62.50%	0.70	0.84	5.64	5.272
	6mm	47.15%	6.73%	11.83%	46.87%	6.79%	58.83%	0.66	0.83	5.606	5.243
Euro Grey	5mm	51.66%	6.36%	20.29%	49.19%	6.48%	60.63%	0.68	0.84	5.623	5.272
	6mm	45.24%	6.06%	16.47%	42.98%	6.15%	56.11%	0.63	0.84	5.582	5.243
Dark Grey	5mm	47.90%	6.77%	19.87%	46.96%	6.75%	58.91%	0.66	0.84	5.606	5.272
	6mm	41.96%	6.59%	16.54%	41.37%	6.53%	54.82%	0.62	0.83	5.569	5.243
Light Blue	5mm	71.07%	7.78%	26.60%	53.99%	6.94%	64.07%	0.72	0.654	5.272	5.843
	6mm	67.74%	7.69%	24.13%	50.67%	6.96%	61.61%	0.69	0.632	5.243	5.808
F-Green	5mm	74.60%	8.03%	24.54%	48.75%	6.67%	60.26%	0.68	0.619	5.272	5.843
	6mm	71.36%	7.66%	20.22%	43.72%	6.35%	56.60%	0.64	0.586	5.243	5.808

Colored toughened glass advantages

- High strength. Based on same thickness, the color tempered glass impact resistance strength and bending resistance strength is 3-5 times higher than the ordinary color float glass, so it is not easy to break.
- High safety. When the color tinted tempered glass is destroyed by external forces, the debris will be similar to the honeycomb-like small obtuse angle particles, not easy to cause harm to the human.
- Heat stability. Color heat resistant tempered glass has good thermal stability, can withstand 3 times higher temperature difference than the ordinary float glass, can withstand 200°C temperature difference.
- Excellent decorative effect. With different bright and enduring color, the color decorative toughened glass not only could absorb sun radiation and ultraviolet rays, to make the interior more comfortable, but also could greatly enhance the appearance of the building, make the building more attractive.

Colored toughened glass specifications

- Shape: Flat and curved
- Thickness: 4mm 5mm 6mm 8mm 10mm 12mm
- Size: Max 2440x3660mm, any customized size could be produced
- Color: Bronze, golden, light blue, dark blue, F-green, dark green, light gray, dark gray, black
- Processing: Polished edges, drill holes, cut notches, screen printing, etching should be done before tempering, after tempering, the glass could use to make safety color tempered laminated glass, color tempered insulated glass



Colored tempered glass application

The monolithic tinted safety tempered glass, or color toughened laminated glass, or color safety tempered insulated glass, is more and more widely used around us:

- For building like glass doors and windows, glass curtain wall, indoor partition glass, ceiling glass, sightseeing elevator glass, glass fence, etc.
- For home appliance like glass oven doors, glass refrigerator doors, glass cutting boards, etc.
- For furniture like glass table tops, glass shelves, glass cabinet doors, etc.
- Many others.



