

## **SGG Grey Float Glass 6mm - Heat absorbing & solar heat gain coefficient**

**Tinted float glass** which reduces both visual and radiant transmittance, is produced by the float process with the addition of small quantities of metal oxides to color the normal clear glass mix. This coloration is achieved through adding metal oxides at the smelting stage. Heat absorbing tinted glass is a type of glass that contains special tints that absorb as much as 45% of incoming solar energy, to reduce heat gain in an interior space. Tinted glass reduces the solar heat gain coefficient (SHGC), visible transmittance (VT), and glare. Part of the absorbed heat continues to be passed through the glass by conduction and re-radiation, so the tint doesn't lower a glass's U-value.

### **Features:**

- 1. Reducing UV radiation:** tinted float glass can reduce 80% of the transmission of harmful ultraviolet radiation, effectively absorb solar radiation, and achieve by the effect of heat insulation & energy-saving;
- 2. Reducing visible transmittance:** tinted float glass can efficiently reduce heat transmission and solar control, absorb additional visible light, and make the sun softened, avoid glare, and improve indoor color.
- 3. Preventing fading:** tinted glass absorb solar ultraviolet rays, effectively prevent fading and deterioration of interior items.
- 4. Clear observation:** tinted glass are transparency, make outdoor scene clearly observed
- 5. Increasing aesthetic appearance:** tinted glass are with bright color, can increase the aesthetic appearance of the building.
- 6. Decorative effect:** natural tinted colors offer more excellent options for exterior and interior decoration, and provide more color choice for modern buildings.
- 7. Deep process:** perfect quality of glass for deep processing, cut to size, edge polishing, tempering, lamination, and insulation.

### **Applications of grey float glass 6mm:**

Tinted glass can insulate the heat and adjust the indoor temperature, save air conditioning fees. At same time, can make the building has good decorative effect. Commonly used as inside and outside of the buildings:

1. grey float glass 6mm can be used directly for windows, doors
2. grey float glass 6mm can be tempered, laminated, and insulated so it can apply to glass wall, glass facade, glass railings, glass balustrade, glass balcony, glass partition, glass table tops
3. grey float glass 6mm mirror grade can be produced for grey glass mirror.

## **Specifications:**

1. Thickness: 4mm 5mm 5.5mm 6mm 8mm 10mm 12mm
2. Color range: euro bronze, ford blue, light blue, dark blue, dark grey, light grey, dark green, french green, light green, etc
3. Stock size: 2140x3300  
Other available sizes: 1650x2140, 1830x2440, 2250x3300, bespoke size

Available Thickness for reflective glass	4mm 5mm 5.5mm 6mm 8mm 10mm 12mm
Available Sizes	2.14x1.65m; 1.83x2.44m; 2.14x3.3m; 2.25x3.3m; 2.44x3.3m, customized sizes
Available Colors in production	Euro Bronze, Dark Bronze, Euro Gray, Dark Gray, Ford Blue, Dark Blue, F Green, Dark Green, etc.
Packing Details in 2140x3300mm	4mm thick: 38pcs/crate; 10 crates/container 5mm thick: 30pcs/crate; 10 crates/container 5.5mm thick: 27pcs/crate;10 crates/container 6mm thick: 25pcs/crate; 10 crates/container 8mm thick: 18pcs/crate; 10 crates/container

## **Quality:**

Sun Global Glass produce high quality grey tinted float glass 6mm with strong exportation wooden crates. Guarantee professional loading and safety delivery.

## **Product details for grey float glass 6mm:**

**Product Pictures** □





**Performance of grey float glass 6mm:**

Item	Thickness	Visible Light Transmittance	Visible Light Reflectance	UV Light Transmittance	Direct Sunlight Transmittance	Direct Sunlight Reflectance	Total Solar Transmittance	Shdowing Coffecient (SC)	SHGC	K Value (Summer Daytime)	K Value (Winter Night)
Euro Bronze	5 mm	51.94%	6.44%	14.52%	51.78%	6.69%	62.50%	0.70	0.84	0.640	5.272
	6 mm	47.15%	6.73%	11.83%	46.87%	6.79%	58.83%	0.66	0.83	0.606	5.243
Euro Grey	5 mm	51.66%	6.36%	20.29%	49.19%	6.48%	60.63%	0.68	0.84	0.623	5.272
	6 mm	45.24%	6.06%	16.47%	42.98%	6.15%	56.11%	0.63	0.84	0.582	5.243
Dark Grey	5 mm	47.90%	6.77%	19.87%	46.96%	6.75%	58.91%	0.66	0.84	0.606	5.272
	6 mm	41.96%	6.59%	16.54%	41.37%	6.53%	54.82%	0.62	0.83	0.569	5.243
Light Blue	5 mm	71.07%	7.78%	26.60%	53.99%	6.94%	64.07%	0.72	0.654	5.272	5.843
	6 mm	67.74%	7.69%	24.13%	50.67%	6.96%	61.61%	0.69	0.632	5.243	5.808
French Green	5 mm	74.86%	8.03%	24.54%	48.75%	6.67%	60.26%	0.68	0.619	5.272	5.843
	6 mm	71.36%	7.66%	20.22%	43.72%	6.35%	56.60%	0.64	0.586	5.243	5.808

**Production Lines:**



**Package and Loading:**





**Our promise is that you receiving grey float glass 6mm from us with high quality and safety conditions from us.**