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# Reflective Float Glass



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## Description

Reflective float glass is made by Vacuum Magnetron Sputtering coating device to form metal or ceramic compound films on the glass surface. It is produced in a variety of beautiful colors for specific applications such as energy consumption control. Having a reflective surface allows the glass to be able to reflect the solar radiation significantly and affect the control of light and energy stream through the buildings. Depending on the criteria and desired applications, there are different types of reflective glass with excellent features in Kaveh Group.

**Colors:** Gold (with three different colors), Super Silver, Green, Pink, Gray, Blue, Ocean Blue, Copper, Star Blue, Bronze and Star Bronze

## Features

- Effectively limit direct solar radiation transmission.
- Versatile reflective colors and excellent decorative effect
- Excellent sight shielding effect on the indoor objects and structures
- Proper visible light transmittance and reflectance
- Lessen transmission of ultraviolet.

## Applications

Reflective glass comes in a variety of colors with a wide range of transmissions for visible light colors, as well as the ability to reflect light at wavelengths close to infrared light. This glass is one of the ideal products for building architecture and is widely used in glass facades. Some of these applications are: doors and windows, decorations, glass facades (Glass Curtain Walls), laminated and tempered glass, coated insulation glass, etc.

## Quality Standards

Top quality with CE certificate, EN 1096(Europe standard) and ISI mark as per indian standard.

Thickness	3-12mm
size	3210 X 6000mm, 3210 X 2250mm, 3210 X 2000mm, 2250 X 1650mm, 2000 X 1605mm, 3210 X 2500mm, 2500 X 1605mm

Performances (EN 410 & EN 673)						
DGU 4mm-16mm Argon - 4mm Clear Glass						
Interior Pane	Clear Float Glass	Clear Float Glass	Clear Float Glass	Clear Float Glass	Clear Float Glass	Clear Float Glass
Exterior Pane (Coating Position)	Kaveh Glass Solar Gray	Kaveh Glass Solar Pink	Kaveh Glass Solar Green	Kaveh Glass Solar Blue	Kaveh Glass Solar Gold	Kaveh Glass Solar Copper
Light Transmittance (LT %)	20.16	22.36	29.18	41.31	41.12	65.02
UV Transmittance (UVT %)	4	0	7.3	23	12.76	16.91
Exterior Light Reflectance ( $LR_e$ %)	10.08	16	18	14	31.39	13.99
Interior Light Reflectance ( $LR_i$ %)	29.54	31	36	27	38.13	11.31
Solar Factor (g)	0.29	0.29	0.37	0.54	0.52	0.73
Shading Coefficient (SC)	0.34	0.33	0.43	0.62	0.60	0.84
$U_g$ Value EN673 [W/(m <sup>2</sup> .k)]	2.62	2.62	2.62	2.62	2.62	5.80