



Standard Clear
Float Glass

Pilkington Optiwhite™
Float Glass

Pilkington Optiwhite™ Low Iron Float Glass

*The clear choice
in colorless float glass*

Practically colorless,
Pilkington Optiwhite
Float Glass virtually
eliminates the green cast
inherent in standard
float glass, particularly
noticeable in thicker
glasses.

When true color is of paramount importance, Pilkington Optiwhite™ Float Glass is the perfect solution.

Noticeably clearer than standard clear float glass, the colorlessness of Optiwhite Float Glass is especially apparent when it is combined with white or light colors, and when exposed, polished edges are in view.

As a result, Optiwhite Glass offers enhanced clarity and aesthetics for everything from photovoltaic modules and solar collectors to showroom and furniture applications. It is also ideal for glass which is to be ceramically decorated, because the true colors of the decorations will show through the glass.

Product Features

- **PRACTICALLY COLORLESS**, thanks to its low iron content, Optiwhite Float Glass virtually eliminates the green cast inherent in standard clear float, which is especially noticeable on exposed, polished edges. It also allows the true color of ceramic decoration to show through.

- **UNLIMITED VERSATILITY** and the absence of color make Optiwhite Glass ideal for applications such as security glazing laminates, I.G. units, photovoltaic modules, solar collectors, projection room windows, storefronts, appliances, shelving, display cases, zoo and aquarium enclosures, and tabletops.
- **IMPROVED LIGHT TRANSMITTANCE** makes this product ideal for applications which can benefit from more light. Compared to standard clear float, visible light transmittance for Optiwhite Glass is 2% higher in an 1/8" (3mm) lite, 8% higher for 1/2" (12mm) glass.
- **EXCELLENT AVAILABILITY** for significantly reduced lead times and better control of project costs.
- **AVAILABLE IN 1/8" (3mm), 1/4" (6mm), 3/8" (10mm) and 1/2" (12mm) standard thicknesses.**

Optiwhite™ Monolithic Glass Performance Data

Nominal Glass Thickness		Visible Light		Total Solar Energy		UV Transmittance %	U-Value		European U-Value (K-Value)	Solar Heat Gain Coefficient	Shading Coefficient
		Transmittance %	Reflectance %	Transmittance %	Reflectance %		Summer	Winter			
in	mm										
1/8	3	92	8	90	8	87	1.0	1.1	5.8	0.91	1.05
1/4	6	91	8	89	8	83	1.0	1.1	5.7	0.90	1.04
3/8	10	91	8	87	7	79	1.0	1.1	5.6	0.88	1.03
1/2	12	91	8	86	7	77	1.0	1.0	5.5	0.87	1.01

Some combinations or installations may require heat treating to prevent glass breakage from thermal stress.

All performance values are center-of-glass values calculated by using the LBL Window 4.1 program. To obtain metric U-value (W/sq-m/C), multiply by 5.678.

Solar Heat Gain Coefficient or SHGC: The ratio of the total solar heat gain through the glass relative to the incident solar radiation. The solar heat gain includes both the solar energy directly transmitted through the glass,

plus the solar energy absorbed by the glass and subsequently convected and thermally radiated inward.

Shading Coefficient or SC is the ratio of solar heat gain through the glass relative to that through 3mm (1/8") clear glass at normal incidence.

Typical values of Pilkington LOF production are provided.

The wavelength ranges of the sun's energy used to calculate properties: UV from 0.30 to 0.38 microns. Visible from 0.38 to 0.78 microns and Total Solar from 0.30 to 2.5 microns.



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