Clear Glass

Clear glass is a soda-lime silicate float glass product, intended to be used in residential and commercial applications alike. It's a versatile choice when specialty glass is not needed. It has the standard light green color. It's the type of glass used the most worldwide and the least expensive, and can be use in almost any glass application. Such as double glazing, laminating, tempering, heat-strengthening,bending,coating.

Meets Standards:
- ASTM C1036-11
- EN 572-9

Glass Thickness		Visible Light		UV Transmittance	Solar Heat Gain Coefficient (SHGC)	Winter U-Value English Btu/(Hr x Sqft x °F)	Winter U-Value Metric W/(M^2 x K)
mm	inches	Transmittance (VLT)	Exterior Reflectance				
2.3mm	3/32"	90.0%	9.0%	N/A	0.87	1.05	5.94
3mm	1/8"	89.0%	8.6%	73.3%	0.85	1.04	5.90
4mm	5/32"	89.5%	8.6%	71.1%	0.84	1.04	5.88
5mm	3/16"	89.1%	8.5%	68.7%	0.83	1.03	5.86
6mm	1/4"	88.6%	8.5%	66.0%	0.82	1.02	5.82
8mm	5/16"	87.5%	8.4%	66.8%	0.78	1.01	5.74
10mm	3/8"	87.5%	8.3%	57.9%	0.76	1.00	5.69
12mm	1/2"	85.0%	8.0%	N/A	0.73	0.98	5.59
19mm	3/4"	83.0%	8.0%	N/A	0.67	0.95	5.39

Visible Light Transmittance (VLT): The percentage of the visible spectrum (light) that is transmitted through the glass.

Exterior Reflectance: The percentage of the visible spectrum (light) that is refleced towards the exterior by the glass.

SHGC: The fraction of incident solar radiation admitted through the glass, both directly transmitted and absorbed and subsequently released inward. SHGC is expressed as a number between 0 and 1. The lower a glass solar heat gain coefficient; the less solar heat it transmits.

Winter U- Value: Measure of the insulating characeristics of the glass in which how much heat gain or loss occurs through the glass due to the difference of indoor and outdoor temperatures using NFRC winter nighttime environmental conditions of a cold outside temperatures and no sunlight.

Rev. Feb 2022