ŞİŞECAM
FLAT GLASS

Performance Tables

ŞİŞECAM TINTED FLOAT GLASS	Daylight (EN 410)		Solar Energy (EN 410)					Thermal Conductivity (U Value) W/m²K (EN 673)			
	Transmittance %	Reflectance Outdoor %	Reflectance Outdoor %	Absorption %	Direct Transmittance %	Solar Factor %	Shading Coefficient	12 mm Cavity		16 mm Cavity	
								Air	Argon	Air	Argon
Insulating Glass Unit With Clear Float Inner Pane											
Green	64	11	7	57	36	45	0,51	2,8	2,7	2,7	2,6
Gray	39	6	7	56	37	47	0,54	2,8	2,7	2,7	2,6
Bronze	45	7	7	55	39	48	0,55	2,8	2,7	2,7	2,6
Blue	49	9	8	57	35	44	0,51	2,8	2,7	2,7	2,6
Insulating Glass Unit With Low-E Coated Glass (Low-E coating on the 3rd surface) Inner Pane											
Green	63	9	8	61	31	38	0,44	1,6	1,3	1,3	1,1
Gray	39	6	12	61	27	36	0,41	1,6	1,3	1,3	1,1
Bronze	44	6	12	59	29	37	0,43	1,6	1,3	1,3	1,1
Blue	49	8	9	62	29	36	0,42	1,6	1,3	1,3	1,1

- The above figures are valid for IG units incorporating with 6 mm Şişecam High Reflective Glass outer pane, 12/16 mm air space and 6 mm inner pane.
- "Daylight" and "Solar Energy" properties are calculated with "TNO Science and Industry - WIS 3.01" program using spectral measurements in compliance with EN 410.
- "U-value" is calculated with "TNO Science and Industry - WIS 3.01" program according to EN 673. The emissivity measurements used for calculations are in compliance with EN 673 (Annex A) and EN 12898.
- Thermal stresses or building codes may require the use of heat-treated glass. This document is not an evaluation of the risk of glass breakage from thermal stresses. Please contact Şişecam Flat Glass to ensure the correct form of glass to be supplied for the structure.
- Specifications, technical and other data are based on information available at the time of preparation of this document and are subject to change without notice.
- Şişecam Flat Glass can not be held responsible for any deviation between the data introduced and the conditions on site. This document is only informative, in no way it implies an acceptance of the order by Şişecam Flat Glass.

- **Daylight Transmittance (%):** The ratio of the visible spectrum (light) that is transmitted through glass.
- **Daylight Reflectance (outdoor) (%):** The ratio of the visible spectrum (light) that is reflected outside by glass.
- **Solar Factor:** The percentage of total solar radiant heat energy entering. The room through the glass. The lower solar factor means better solar control.
- **Shading Coefficient:** The ratio of solar factor of a particular glass type to the solar factor of 3 mm clear float glass, set in identical conditions. The lower shading coefficient means better solar control.
- **U value (W/m²K):** A measure of the rate of heat loss of a building component. The lower U value means better heat control and more comfort in winter.

ŞİŞECAM
FLAT GLASS

Performance Tables

ŞİŞECAM TINTED FLOAT GLASS	Daylight (EN 410)		Solar Energy (EN 410)					Thermal Conductivity (U Value) W/m²K (EN 673)
	Transmittance %	Reflectance Outdoor %	Reflectance Outdoor %	Absorption %	Direct Transmittance %	Solar Factor %	Shading Coefficient	
Single Glazing - 4 mm								
Green	78	7	6	42	52	63	0,72	5,7
Gray	57	6	6	36	58	67	0,77	5,7
Bronze	61	6	6	35	59	68	0,78	5,7
Blue	66	6	5	42	53	64	0,74	5,7
Single Glazing - 6 mm								
Green	72	7	5	52	43	56	0,64	5,7
Gray	44	5	5	49	46	59	0,68	5,7
Bronze	50	5	5	47	48	60	0,69	5,7
Blue	55	6	5	53	42	56	0,64	5,7
Single Glazing - 8 mm								
Green	68	7	5	58	37	52	0,60	5,6
Gray	35	5	5	57	38	53	0,61	5,6
Bronze	41	5	5	56	39	53	0,61	5,6
Blue	48	5	5	61	34	50	0,57	5,6

- "Daylight" and "Solar Energy" properties are calculated with "TNO Science and Industry - WIS 3.01" program using spectral measurements in compliance with EN 410.
- "U-value" is calculated with "TNO Science and Industry - WIS 3.01" program according to EN 673. The emissivity measurements used for calculations are in compliance with EN 673 (Annex A) and EN 12898.
- Thermal stresses or building codes may require the use of heat-treated glass. This document is not an evaluation of the risk of glass breakage from thermal stresses. Please contact Şişecam Flat Glass to ensure the correct form of glass to be supplied for the structure.
- Specifications, technical and other data are based on information available at the time of preparation of this document and are subject to change without notice.
- Şişecam Flat Glass can not be held responsible for any deviation between the data introduced and the conditions on site. This document is only informative, in no way it implies an acceptance of the order by Şişecam Flat Glass.

- **Daylight Transmittance (%):** The ratio of the visible spectrum (light) that is transmitted through glass.
- **Daylight Reflectance (outdoor) (%):** The ratio of the visible spectrum (light) that is reflected outside by glass.
- **Solar Factor:** The percentage of total solar radiant heat energy entering. The room through the glass. The lower solar factor means better solar control.
- **Shading Coefficient:** The ratio of solar factor of a particular glass type to the solar factor of 3 mm clear float glass, set in identical conditions. The lower shading coefficient means better solar control.
- **U value (W/m²K):** A measure of the rate of heat loss of a building component. The lower U value means better heat control and more comfort in winter.