

FLOAT GLASS



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Tinted Float Glass

Let the colors surround you: Tinted Float Glass

Tinted Float Glass;

- Offers various solutions to designers and customers to create aesthetic and stylish places by its different color alternatives.
- If used in exterior, limits solar heat gain, controls the extreme brightness of the sun, offers a comfortable working and living environment.
- By its solar control it reduces the cooling costs.

Laminated glass, toughened glass, heat strengthened glass, enameled glass, bent glass, coated glass, acid etched glass, sandblasted glass and mirror can be produced by applying secondary processes to Tinted Float Glass.

Colors:

Green, grey, bronze, blue, turquoise and dark grey colors are available.

Applications:

Tinted Float Glass offers solutions to non-residential buildings with curtain walls, windows, spandrels, facade claddings, overhead glazings and balustrades. Also alternative choices for interior applications such as tabletops, shelves, doors, shower cabins and partitions.



Tinted Float Glass Performance Tables

	Daylight (EN 410)		Solar Energy (EN 410)					Thermal Conductivity (U Value) W/m ² K (EN 673)	Standard Sizes
	Transmittance %	Reflectance Outdoor %	Direct Transmittance %	Reflectance Outdoor %	Absorption %	Solar Factor	Shading Coefficient		
Single Glazing - 4 mm									
Green	79	7	54	6	41	63	0,73	5,8	3210x2250 3210x2500 3210x6000
Grey	57	6	58	6	36	67	0,77	5,8	
Bronze	62	6	60	6	35	68	0,78	5,8	
Blue	66	6	54	6	41	63	0,73	5,8	
Dark Grey	16	4	15	4	81	34	0,39	5,8	
Single Glazing - 6 mm									
Green	73	7	43	5	51	56	0,64	5,7	3210x2250 3210x2500 3210x6000
Grey	44	5	47	5	48	58	0,67	5,7	
Bronze	51	5	48	5	46	59	0,68	5,7	
Blue	56	7	43	6	51	55	0,63	5,7	
Dark Grey	6	4	6	4	90	27	0,31	5,7	
Turquoise	62	6	42	5	53	54	0,63	5,7	
Single Glazing - 8 mm									
Green	68	7	38	5	57	51	0,59	5,6	3210x2250 3210x2500 3210x6000
Grey	36	5	39	5	57	52	0,60	5,6	
Bronze	41	5	39	5	56	52	0,60	5,6	
Blue	48	5	34	5	61	49	0,56	5,6	
Dark Grey	2	4	3	4	94	25	0,28	5,6	
Turquoise	55	6	34	5	61	48	0,56	5,6	

	Daylight (EN 410)		Solar Energy (EN 410)					Thermal Conductivity (U Value) W/m ² K (EN 673)			
	Transmittance %	Reflectance Outdoor %	Direct Transmittance %	Reflectance Outdoor %	Absorption %	Solar Factor	Shading Coefficient	12 mm Cavity		16 mm Cavity	
								Dry Air	Argon	Dry Air	Argon
6 mm Tinted Float Glass + 6 mm Şişecam Clear Float Glass											
Green	66	11	38	7	55	45	0,52	2,8	2,7	2,7	2,6
Grey	40	7	39	7	54	47	0,54	2,8	2,7	2,7	2,6
Bronze	46	8	41	7	52	48	0,56	2,8	2,7	2,7	2,6
Blue	50	9	37	8	56	44	0,51	2,8	2,7	2,7	2,6
Dark Grey	5	4	5	4	92	15	0,17	2,8	2,7	2,7	2,6
Turquoise	56	9	36	7	57	44	0,50	2,8	2,7	2,7	2,6
6 mm Tinted Float Glass + 6 mm Şişecam Low-e Glass											
Green	63	9	31	8	61	38	0,44	1,6	1,3	1,3	1,1
Grey	39	6	27	12	61	36	0,41	1,6	1,3	1,3	1,1
Bronze	44	6	29	12	59	37	0,42	1,6	1,3	1,3	1,1
Blue	49	8	29	9	62	36	0,41	1,6	1,3	1,3	1,1
Dark Grey	5	4	3	4	93	8	0,09	1,6	1,3	1,3	1,1
Turquoise	54	8	29	8	63	36	0,41	1,6	1,3	1,3	1,1

"Daylight" and "Solar Energy" properties are calculated using spectral measurements in compliance with EN 410.

"U-value" is calculated 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. 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.

Note:

Solar control glass is subjected to thermal breakage risks. In order to avoid thermal breakage risks, toughening or heat strengthening is recommended.

When laminating Şişecam Tinted Float Glass, all panes of the laminated glass should be either toughened or heat strengthened in order to avoid thermal breakage risks.



BRONZE - 8 mm



GREY - 8 mm



DARK GREY - 8 mm



GREEN - 8 mm



BLUE - 8 mm



TURQUOISE - 8 mm

