


Single Glazing

ŞİŞECAM TENTESOL TITANIUM	Coated Surface	Daylight (EN 410)		Solar Energy (EN 410)				Thermal Conductivity (U Value) W/m ² K (EN 673)	
		Transmittance %	Reflectance Outdoor %	Reflectance Outdoor %	Absorption %	Direct Transmittance %	Solar Factor %		Shading Coefficient
Silver	#1	64	33	26	11	63	66	0,76	5,7
	#2	64	32	22	15	63	67	0,77	5,7
Green	#1	51	33	24	43	32	43	0,49	5,7
	#2	51	23	12	55	32	46	0,52	5,7
Blue	#1	39	33	25	43	32	42	0,48	5,7
	#2	39	16	11	57	32	45	0,52	5,7
Turquoise	#1	45	31	23	45	32	42	0,49	5,7
	#2	45	17	10	58	32	45	0,52	5,7
Gray	#1	31	32	24	39	37	47	0,54	5,7
	#2	31	11	9	54	37	51	0,59	5,7

- The above figures are valid for 6 mm monolithic Şişecam Tentesol Titanium.
- "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.

	Coated Surface	Daylight (EN 410)		Solar Energy (EN 410)					Thermal Conductivity (U Value) W/m ² K (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												
Silver	#1	58	36	28	21	51	58	0,66	2,8	2,7	2,7	2,6
	#2	58	35	25	24	51	59	0,67	2,8	2,7	2,7	2,6
Green	#1	46	35	25	47	27	34	0,39	2,8	2,7	2,7	2,6
	#2	46	25	13	59	27	36	0,41	2,8	2,7	2,7	2,6
Blue	#1	35	35	26	48	26	33	0,38	2,8	2,7	2,7	2,6
	#2	35	17	12	62	26	35	0,40	2,8	2,7	2,7	2,6
Turquoise	#1	40	33	24	49	26	34	0,39	2,8	2,7	2,7	2,6
	#2	40	18	11	62	27	35	0,41	2,8	2,7	2,7	2,6
Gray	#1	28	33	26	45	29	38	0,43	2,8	2,7	2,7	2,6
	#2	28	12	10	60	30	40	0,46	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												
Silver	#1	56	35	38	24	37	46	0,53	1,6	1,3	1,3	1,1
	#2	56	33	35	27	38	46	0,53	1,6	1,3	1,3	1,1
Green	#1	45	34	26	51	23	28	0,33	1,6	1,3	1,3	1,1
	#2	45	24	14	63	23	29	0,34	1,6	1,3	1,3	1,1
Blue	#1	34	34	27	52	21	27	0,31	1,6	1,3	1,3	1,1
	#2	34	17	13	66	21	28	0,32	1,6	1,3	1,3	1,1
Turquoise	#1	39	32	25	53	21	27	0,31	1,6	1,3	1,3	1,1
	#2	39	18	12	66	22	28	0,33	1,6	1,3	1,3	1,1
Gray	#1	27	33	30	50	21	28	0,32	1,6	1,3	1,3	1,1
	#2	28	11	15	65	21	29	0,34	1,6	1,3	1,3	1,1

- The above figures are valid for IG units incorporating with 6 mm Şişecam Tentesol Titanium outer pane, 12/16 mm air space and 6 mm inner pane.
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