

TENTESOL

Performance Tables

Single Glazing

Product	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	
TRC Tentesol Silver	#1	38	33	27	30	43	0.51	0.59	5.7
	#2	38	26	19	38	43	0.53	0.61	5.7
TRC Tentesol Green	#1	32	33	25	53	22	0.36	0.41	5.7
	#2	32	19	10	68	22	0.40	0.46	5.7
TRC Tentesol Blue	#1	23	33	27	52	21	0.35	0.40	5.7
	#2	23	14	10	69	21	0.40	0.46	5.7

- The above figures are valid for 6 mm monolithic Tentesol.
- "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 Trakya Cam 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.
- Trakya Cam 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 Trakya Cam.

TRC TENTESOL

Performance Tables

Insulating Glass Unit With Clear Float Inner Pane

Product	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	12mm Cavity		16mm Cavity	
									Air	Argon	Air	Argon
TRC Tentesol Silver	#1	34	34	29	38	34	0.42	0.48	2.8	2.7	2.7	2.6
	#2	34	28	21	45	34	0.43	0.49	2.8	2.7	2.7	2.6
TRC Tentesol Green	#1	28	33	26	56	18	0.27	0.31	2.8	2.7	2.7	2.6
	#2	29	20	11	71	18	0.29	0.33	2.8	2.7	2.7	2.6
TRC Tentesol Blue	#1	21	34	27	55	17	0.26	0.30	2.8	2.7	2.7	2.6
	#2	21	14	10	73	17	0.28	0.32	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

TRC Tentesol Silver	#1	33	34	36	41	23	0.31	0.36	1.6	1.3	1.3	1.1
	#2	33	27	29	48	23	0.32	0.37	1.6	1.3	1.3	1.1
TRC Tentesol Green	#1	28	33	27	59	14	0.20	0.23	1.6	1.3	1.3	1.1
	#2	28	19	12	74	14	0.22	0.25	1.6	1.3	1.3	1.1
TRC Tentesol Blue	#1	20	33	29	59	13	0.19	0.22	1.6	1.3	1.3	1.1
	#2	21	14	11	76	13	0.21	0.24	1.6	1.3	1.3	1.1

- The above figures are valid for IG units incorporating with 6 mm Tentesol 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 Trakya Cam to ensure the correct form of glass to be supplied for the structure.
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