

TRC HELİO

Performance Tables

Single Glazing - 4 mm

Product	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 Helio Green	78	7	6	42	52	0.63	0.72	5.7
TRC Helio Gray	57	6	6	36	58	0.67	0.77	5.7
TRC Helio Bronze	61	6	6	35	59	0.68	0.78	5.7
TRC Helio Blue	66	6	5	42	53	0.64	0.74	5.7

Single Glazing - 6 mm

TRC Helio Green	72	7	5	52	43	0.56	0.64	5.7
TRC Helio Gray	44	5	5	49	46	0.59	0.68	5.7
TRC Helio Bronze	50	5	5	47	48	0.60	0.69	5.7
TRC Helio Blue	55	6	5	53	42	0.56	0.64	5.7

Single Glazing - 8 mm

TRC Helio Green	68	7	5	58	37	0.52	0.60	5.6
TRC Helio Gray	35	5	5	57	38	0.53	0.61	5.6
TRC Helio Bronze	41	5	5	56	39	0.53	0.61	5.6
TRC Helio Blue	48	5	5	61	34	0.50	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 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.

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Performance Tables

Insulating Glass Unit With Clear Float Inner Pane

Product	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	Shadding Coefficient	12mm Cavity		16mm Cavity	
								Air	Argon	Air	Argon
TRC Helio Green	64	11	7	57	36	0.46	0.53	2.8	2.7	2.7	2.6
TRC Helio Gray	39	7	7	56	37	0.48	0.55	2.8	2.7	2.7	2.6
TRC Helio Bronze	45	8	7	54	39	0.49	0.56	2.8	2.7	2.7	2.6
TRC Helio Blue	49	9	8	57	35	0.45	0.52	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 Helio Green	64	9	8	61	31	0.39	0.45	1.6	1.3	1.3	1.1
TRC Helio Gray	39	6	12	61	27	0.37	0.43	1.6	1.3	1.3	1.1
TRC Helio Bronze	44	7	12	59	29	0.38	0.44	1.6	1.3	1.3	1.1
TRC Helio Blue	49	8	9	62	29	0.37	0.43	1.6	1.3	1.3	1.1

- The above figures are valid for IG units incorporating with 6 mm Helio 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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