

TRC ECOSOL

Performance Tables

Insulating Glass Units With TRC Ecosol + Cear Float Glass

Product	Thickness	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 Ecosol on Clear Float+ Clear Float 171	4+4	71	10	28	32	40	0.44	0.51	1.6	1.3	1.3	1.1
TRC Ecosol on Clear Float+ Clear Float 171	6+6	69	10	25	38	37	0.43	0.49	1.6	1.3	1.3	1.1
TRC Ecosol on Green Float+ Clear Float 271	6+6	56	8	8	67	25	0.32	0.37	1.6	1.3	1.3	1.1
TRC Ecosol on Gray Float + Clear Float 371	6+6	35	5	13	66	21	0.28	0.32	1.6	1.3	1.3	1.1
TRC Ecosol on Bronze Float + Clear Float 471	6+6	40	6	14	64	22	0.29	0.33	1.6	1.3	1.3	1.1
TRC Ecosol on Blue Float + Clear Float 571	6+6	44	6	8	69	23	0.30	0.34	1.6	1.3	1.3	1.1

- “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.

- **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.