

Comportamiento Térmico y Óptico  
Thermal and Optical Performance

DUOVENT CON ESPACIO DE AIRE DE 12 mm. / Duovent (I.G. Units) Air Space 12 mm.

CRISTAL Glass	ESPESOR NOMINAL Nominal thickness	TRANSMISION Transmittance		REFLEXION Reflection		(*) COEFICIENTE DE SOMBREADO  Shading Coefficient	(**) VALOR "U" "U" Value				COEFICIENTE DE GANANCIA DE CALOR SOLAR Solar Heat Gain  Coefficient
		LUZ Light	CALOR Heat	LUZ Light	CALOR Heat		METRICO % W/m <sup>2</sup> °C		INGLES % BTU/hr.ft <sup>2</sup> °F		
		%	%	%	%		Verano Summer	Invierno Winter	Verano Summer	Invierno Winter	
CLARO-CLARO	25	60	55	14	12	0.65	3.10	2.73	0.55	0.48	0.73
FILTRASOL-CLARO	25	38	38	7	7	0.57	3.22	2.73	0.57	0.48	0.49
VITROSOL-CLARO	25	45	39	7	7	0.57	3.21	2.73	0.57	0.48	0.49
CRISTAZUL-CLARO	25	49	37	8	6	0.55	3.22	2.73	0.57	0.48	0.47
TINTEX-CLARO	25	69	40	12	8	0.58	3.21	2.73	0.57	0.48	0.50
TINTEX PLUS-CLARO	25	60	29	11	7	0.47	3.25	2.73	0.57	0.48	0.40
AP CLARO-CLARO	25	8	6	34	34	0.15	2.50	2.19	0.44	0.39	0.13
AP FILTRASOL-CLARO	25	4	3	12	13	0.15	2.58	2.19	0.45	0.39	0.13
AP VITROSOL-CLARO	25	5	3	15	14	0.15	2.58	2.19	0.45	0.39	0.13
AP CRISTAZUL-CLARO	25	6	3	17	13	0.15	2.58	2.19	0.45	0.39	0.13
AP TINTEX-CLARO	25	7	3	29	17	0.15	2.57	2.19	0.45	0.39	0.13
AP TINTEX PLUS -CLARO	25	6	3	24	13	0.14	2.59	2.19	0.45	0.39	0.12
AB CLARO-CLARO	25	11	8	23	23	0.19	2.63	2.26	0.46	0.40	0.16
AB FILTRASOL-CLARO	25	6	4	8	10	0.17	2.69	2.26	0.47	0.40	0.15
AB VITROSOL-CLARO	25	6	5	10	12	0.18	2.68	2.26	0.47	0.40	0.15
AB CRISTAZUL-CLARO	25	6	4	12	11	0.17	2.68	2.26	0.47	0.40	0.14
AB TINTEX-CLARO	25	10	5	17	11	0.18	2.68	2.26	0.47	0.40	0.16
AB TINTEX PLUS-CLARO	25	7	3	15	9	0.16	2.69	2.26	0.47	0.40	0.14
AG CLARO-CLARO	25	12	9	27	22	0.21	2.63	2.26	0.46	0.40	0.16
AG FILTRASOL-CLARO	25	6	6	11	11	0.19	2.68	2.26	0.47	0.40	0.16
AG VITROSOL-CLARO	25	7	6	13	11	0.19	2.68	2.26	0.47	0.40	0.16
AG CRISTAZUL-CLARO	25	7	6	15	12	0.19	2.68	2.26	0.47	0.40	0.16
AG TINTEX-CLARO	25	12	7	24	14	0.19	2.67	2.26	0.47	0.40	0.15
AG TINTEX PLUS-CLARO	25	9	4	20	11	0.17	2.68	2.26	0.47	0.40	0.15
TG CLARO-CLARO	25	20	13	20	20	0.26	2.80	2.39	0.49	0.42	0.23
TG FILTRASOL-CLARO	25	10	8	8	10	0.22	2.85	2.39	0.50	0.42	0.19
TG VITROSOL-CLARO	25	12	8	10	10	0.22	2.85	2.39	0.50	0.42	0.19
TG CRISTAZUL-CLARO	25	13	8	11	10	0.21	2.85	2.39	0.50	0.42	0.18
TG TINTEX-CLARO	25	19	9	17	11	0.23	2.85	2.39	0.50	0.42	0.20
TG TINTEX PLUS-CLARO	25	16	7	14	9	0.21	2.86	2.39	0.50	0.42	0.18
TC CLARO-CLARO	25	28	20	16	15	0.35	2.95	2.50	0.52	0.44	0.3
TC FILTRASOL-CLARO	25	14	11	7	8	0.26	3.01	2.50	0.53	0.44	0.22
TC VITROSOL-CLARO	25	16	12	8	8	0.27	3.01	2.50	0.53	0.44	0.23
TC CRISTAZUL-CLARO	25	17	11	8	7	0.26	3.01	2.50	0.53	0.44	0.22
TC TINTEX-CLARO	25	24	12	8	8	0.28	3.01	2.50	0.53	0.44	0.24
TC TINTEX PLUS-CLARO	25	22	9	12	8	0.24	3.01	2.50	0.53	0.44	0.21
PYROPLATA CLARO-CLARO	25	25	33	51	37	0.45	3.10	2.73	0.55	0.48	0.39
PYROPLATA FILTRASOL-CLARO	25	15	20	25	14	0.37	3.24	2.73	0.57	0.48	0.32
PYROPLATA VITROSOL-CLARO	25	19	23	20	15	0.39	3.23	2.73	0.57	0.48	0.34
PYROPLATA CRISTAZUL-CLARO	25	19	20	22	14	0.36	3.24	2.73	0.57	0.48	0.31
PYROPLATA TINTEX-CLARO	25	26	20	32	16	0.36	3.23	2.73	0.57	0.48	0.30
PYROPLATA TINTEX PLUS-CLARO	25	21	13	26	13	0.28	3.27	2.73	0.58	0.48	0.24

\* Coeficiente sombreado:

Relación que existe entre el calor de la radiación solar que se gana a través de un cristal específico en comparación al calor de la radiación solar que se gana a través de un cristal claro de 4 mm bajo idénticas condiciones

\* Shading coefficient:

Is the ratio of the total amount of solar energy that passes through a glass relative to 1/8 in. (3.0 mm) thick clear glass under the same design conditions. It includes both solar energy transmitted directly plus any absorbed solar energy re-radiated and convected. Lower shading coefficient values indicate better performance in reducing summer heat gain. Shading coefficients at outdoor air temperature of 89° F (32°), outdoor air velocity of 7.5 mph (3.4 m/s), indoor air temperature of 75° F (24° C), indoor air velocity of 0 mph (0 m/s) and solar intensity of 248 BTU/hour/square foot (783 w/m2).

\*\* Valor de U:

Cantidad de calor transferido por conducción proporcional al diferencial de temperatura entre ambas superficies del cristal. Expresado en W/m<sup>2</sup>C. Propiedad térmica del material.

\*\* U Value:

Measure of thermal transmittance by conduction proportionally to the temperature differential between both glass surfaces. Expressed in w/m<sup>2</sup> °C. Thermal properties of the material.