



VINILE® Photochromic


VINILE® Photochromic is an intelligent film that, integrated into the glass of any facade, blocks the entry of ultraviolet (UV) and infrared (IR) rays, allowing at all times the greatest possible visibility, depending on the amount of light and heat that receive.


This is because the greater the light that the glass receives, the darker the vinyl becomes to prevent the entry of heat, but once the entry of heat and light decreases, VINILE® Photochromic gradually lightens until it returns to its normal state. original.



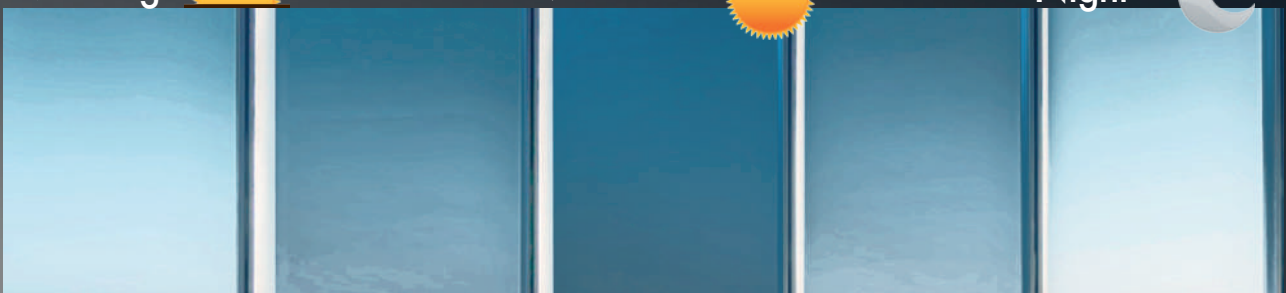
It is not simply an insulating material, but it is also a decorative element, since it can be installed in different colors. And what is more important, thanks to its innovative characteristics, VINILE® Photochromic allows rooms and buildings to “come to life” since the glass in these places changes and varies color throughout the day.



Morning 

Noon 

Night 



Prevent heat from entering your home or offices, allowing the greatest possible visibility at all times.

A clean installation without any work, as it integrates perfectly with the existing glass. An intelligent product with a useful life of more than 15 years installed indoors and that contributes to energy savings, always allowing you to maintain the best quality of life at all times.



- Maximum 24-hour visibility Smart insulation level
 - Decoration 4.0 (living decoration)
- VINILE Photochromic (Portfolio):

Before and after Transition	VB15	VB35	VB50	VB60	VB70	VB75 Double silver-	VB75	GD40	GD45	GD55	GD55 Double silver +	GD65	GD75
Total Solar Energy Transmitted	18%→11%	24%→19%	47%→40%	40%→33%	42%→37%	30%→19%	37%→22%	25%→17%	26%→19%	29%→21%	24%→16%	44%→35%	38%→22%
Total Solar Energy Rejected	69%→76%	66%→70%	50%→58%	50%→61%	50%→55%	61%→77%	54%→68%	67%→76%	64%→71%	62%→68%	72%→80%	49%→56%	53%→67%
Total Solar Energy Reflected	38%→43%	36%→37%	39%→42%	48%→53%	25%→27%	60%→65%	26%→32%	35%→41%	32%→37%	24%→29%	65%→68%	23%→26%	23%→28%
Total Solar Energy Absorbed	44%→46%	40%→44%	13%→17%	12%→15%	33%→36%	11%→16%	37%→46%	40%→42%	42%→44%	47%→50%	11%→16%	33%→39%	39%→49%
Visible Light Transmitted	14%→5%	35%→20%	50%→20%	62%→20%	72%→55%	73%→22%	71%→19%	40%→9%	45%→16%	56%→19%	54%→18%	70%→35%	75%→22%
Visible Light Reflected exterior	22%→26%	22%→26%	17%→22%	26%→31%	12%→13%	15%→19%	11%→15%	21%→24%	19%→21%	13%→14%	24%→29%	10%→11%	10%→14%
Visible Light Reflected interior	17%→20%	16%→18%	15%→16%	14%→18%	9%→11%	12%→15%	11%→14%	16%→18%	15%→17%	13%→14%	15%→18%	10%→11%	10%→14%
Infrared rejection	95%→97%	83%→85%	63%→67%	71%→74%	79%→82%	92%→95%	93%→94%	94%→97%	86%→89%	89%→92%	99.0%→99.5%	72%→76%	93%→95%
UV rejection	100%→100%	99.8%→99.9%	99.9%→100%	100%→100%	99.8%→99.8%	99.9%→100%	99.9%→100%	100%→100%	100%→100%	99.9%→100%	100%→100%	99.8%→99.9%	99.9%→100%
Visible light Glare Reduction	79 %→87%	69%→72%	50 %→69%	40%→71%	30%→46%	28%→69%	30%→63%	65%→79%	51%→67%	44%→62%	45%→70%	32%→55%	31%→61%
Solar heat gain coefficient	0.30→0.23	0.33→0.31	0.46→0.41	0.45→0.39	0.49→0.44	0.35→0.26	0.46→0.33	0.33→0.24	0.36→0.30	0.39→0.32	0.32→0.24	0.50→0.43	0.47→0.33
Shading coefficient	0.34→0.26	0.38→0.36	0.52→0.47	0.52→0.44	0.54→0.50	0.40→0.30	0.53→0.38	0.38→0.29	0.42→0.35	0.45→0.37	0.37→0.28	0.57→0.49	0.54→0.38
Coefficient of conductivity	0.19	0.19	0.2	0.2	0.2	0.19	0.2	0.19	0.19	0.19	0.19	0.2	0.2
Radiance	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
"U" factor	1.05	1.03	1.05	1.03	1.06	1.03	1.06	1.05	1.05	1.05	1.03	1.06	1.06
Thickness	5mil	2.5mil	2.5mil	2.5mil	2.5mil	3.7mil	3.5mil	4.3mil	4mil	4mil	4.5mil	3mil	3mil

IMPORTANT INFORMATION

* Once the sheet is installed, it may present some negligible anomalies, due to environmental causes (pollution, air, particles, etc.) and which do not alter its effectiveness.

** VINILE AUDIOVISUAL will not be responsible for possible breakage due to thermal shock in the glass on which this product is applied.