

# LUMINOUS CARBON WINDOW FILM

Luminous Carbon Window Film offers the perfect balance of affordability and performance, providing superior heat rejection, UV protection, and enhanced privacy. Engineered with carbon-infused materials, it features a sleek, non-reflective appearance while effectively reducing glare and solar heat without fading over time.

## PRODUCT FEATURES

Engineered for practical efficiency and superior performance, our advanced features include:



### **SOLAR HEAT REJECTION:**

Carbon window film helps block a portion of solar heat, keeping the vehicle and building interiors cooler for enhanced comfort.



### **UV RAY PROTECTION:**

Effectively reduces harmful ultraviolet (UV) rays, preventing interior fading and protecting skin from prolonged sun exposure.



### **GLARE REDUCTION:**

Minimizes glare from sunlight and headlights, improving driving visibility and indoor comfort.



### **PRIVACY:**

It provides enhanced privacy by reducing visibility from the outside while maintaining a clear view from within.



### **SAFETY AND SECURITY:**

Strengthens glass surfaces, helping hold shattered glass together in case of breakage for added safety.



### **AESTHETICS:**

It offers a stylish, non-reflective finish, available in various shades to suit different preferences.



### **ENERGY EFFICIENCY:**

By reducing heat buildup, carbon window film can contribute to energy savings by lowering cooling costs.



### **ANTI-SCRATCH COATING:**

Carbon window film comes with scratch-resistant coatings to maintain its appearance and performance.



### **FADE RESISTANCE:**

Designed with carbon-infused materials that resist fading, ensuring long-lasting color stability.



### **EASY MAINTENANCE:**

Requires minimal upkeep, making it easy to clean and maintain.



### **REGULATORY COMPLIANCE:**

Meets industry standards and local regulations for safe and legal application.

## TERMS TO KNOW

**TSER – Total Solar Energy Rejection:**

The percentage of total solar energy rejected by filmed glass. The higher this value, the less solar heat is transmitted.

**VLT – Visible Light Transmitted:**

The percentage of visible light that passes directly through filmed glass: the higher the number, the lighter the film.

**UV – Ultraviolet Rejection:**

The percentage of ultraviolet (UV) light that is rejected by the filmed glass. UV light contributes to the fading and deterioration of fabrics and leather.

**IRR – Infrared Rejection:**

The percentage of solar infrared energy rejection over the wavelength range from 900-1,000 nm. Infrared rays are primarily responsible for the heat you feel when driving.

## LUMINOUS WARRANTY COVERAGE

**Luminous Carbon Window Film** is warranted up to 3 years from the original purchase date, ensuring proper installation by a certified installer. The film maintains reactive and adhesive properties, along with appearance, without charge for warranted part replacement due to defects.

Luminous shall not assume liability and explicitly disclaims all responsibility for any losses, damages, expenses, or costs resulting from, or partially resulting from, improper or illegal film installation, incorrect film application, inappropriate film care or cleaning, or misuse. Additionally, it does not cover alterations to the original manufactured product, failures due to structural defects in the window glass or the surface to which the product is applied, or any other incidents, events, defects, faults, or damages that are not directly attributable to the actions or inactions of Luminous.

## PRODUCT STRUCTURE

HARD COATING



CARBON-INFUSED PET FILM



LAMINATING ADHESIVE



CARBON-INFUSED PET FILM



PRESSURE-SENSITIVE ADHESIVE



RELEASE LINER



MODEL	VLT	IRR	UV	TSER	THICKNESS
VLT70	70%	20%	42%	27%	2mil
VLT50	34.6%	30%	65%	56%	2mil
VLT30	34.6%	40%	75%	56%	2mil
VLT15	16.5%	53%	90%	73%	2mil
VLT10	12.3%	56%	99%	76%	2mil
VLT05	5%	73%	98%	88%	2mil
VLT03	4.8%	73%	99%	87%	2mil



For more information visit:

[www.luminous-me.com](http://www.luminous-me.com)