



## PRESTIGE SPECTRA PHOTOSYNC® IRD CLEAR WINDOW FILMS

The most advanced technology in window film comes in our line of PhotoSync® IRD (Infrared Radiation Dispersion) window films. Utilizing our patent-pending IRD design, Spectra PhotoSync® is the industry's most advanced IR Nano-Technology window films for Autos.

	SPH70	SPH55	SPH45	SPH30	SPH15
VLT (VISIBLE LIGHT TRANSMISSION)	70%	55%	45%	30%	15%
TSER (TOTAL SOLAR ENERGY REJECTION)	62%	68%	74%	80%	81%
IRR (INFRARED RADIATION REJECTION)	98%	98%	98%	99%	99%
UV BLOCK	99.5%	99.5%	99.5%	99.5%	99.5%
SHGC	0.38	0.32	0.26	0.20	0.19

### I. UNDERSTANDING SOLAR RADIATION

For simplicity purposes, the 3 main waves that affect our daily lives are:

- A. **UV (Ultraviolet Radiation)** - responsible for sunburns, skin cancer, and for cars - the fading of interior components.
- B. **IR (Infrared Radiation)** - this is what we feel - Heat. Responsible for heating up the interior of our cars.
- C. **VL (Visible Light)** - the wavelength that we can see. And for glass purposes, measures the shade in window films' VLT (Visible Light Transmission). The higher the number, the clearer the film. Example: 70% VLT is lighter than 20% VLT.

### II. IRD - INFRARED RADIATION DISPERSION TECHNOLOGY (INDUSTRY 1ST)

This nano-coating is proprietary to Prestige Film Technologies' full line of window films. This feature allows for the greatest heat rejection with our patent-pending nano-technology that creates a high IRR rejective state - upwards of 99% up to 2200nm and a TSER of up to 81%. This is the highest recorded heat blocking film on the market. Most films in the industry that claim a high IRR specification do so without specifying at which wavelength they do so. Very often, they only present a high IRR, but the performance drops off after 1000nm compared to consistent performance with our films up to 2200nm.



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III. TSER - UP TO 81% TOTAL SOLAR ENERGY REJECTED

IV. UV BLOCK - 99% of UV are blocked. This is equivalent to having sunscreen on all the time.

V. CLEAR DESIGN - NO COMPROMISES IN OUR TECH.

Clarity is never impacted with our window films. It offers exceptional IRR and TSER performance without affecting visibility. Cars of today and the future are interconnected via broadband wireless signals. Our entire line of window films use our patent-pending nano technology that maintains your vehicle much cooler without impacting any wireless signals.

VI. LIFETIME WARRANTY

Last but not least, our window films are backed by a Limited Lifetime Warranty from bubbling, purpling, fading, and even from performance degradation (\*Performance degradation specified as decrease in heat rejection and / or UV).

