A breakthrough in automotive window films

Multilayer optical film with ceramic nano-technology that rejects more heat than many darker films without changing the car's appearance.

200

layers of nano-technology film.



3M | Automotive Window Film

Invented and innovated

Improving comfort and blocking ultraviolet (UV) rays to reduce fading of vehicle interiors are hallmarks of 3M automotive window films.

Cool tones, Cooler style

Ride in style and comfort

Deep black, gray colour compliments your vehicle. With elite performance, it is the superior choice for style and comfort that lasts.

3M

Commercial Branding and
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Crystalline Series CR BLK

RECOMMENDED SKIN CANCER FOUNDATION

3M™ Automotive Window Films Crystalline™ Series CR BLK blocks 99% or more of UVA and UVB radiation and has received the Skin Cancer Foundation's Seal of Recommendation.^

^CAUTION: Although certain 3M™ Window Films help block a percentage of UVA and UVB radiation and may have received The Skin Cancer Foundation Seal of Recommendation, the efficacy of these films in protecting against skin cancer has not been tested by 3M and 3M™ WINDOW FILMS DO NOT PREVENT SKIN CANCER.

CamScanner

3M™ Automotive Window Film Crystalline™ Series CR BLK

Unique technology

Get advanced protection while keeping your vehicle's original appearance. With patented multilayer optical film and ceramic nano-technology, the 3M™ Crystalline™ Series CR BLK provides better heat and UV protection than many darker films.

Reduce glare

The Crystalline™ Series CR BLK allows you to see better and concentrate more on driving by reducing up to 81% of the glare from blinding sunlight.

Stay connected

The Crystalline™ Series CR BLK is a non-metallized window film that won't interfere with mobile devices, GPS or satellite radio reception.

Scratch-resistant hard coat

Reduces installation-related scratch defects, speeds up installation, and decreases the likelihood of scratches from routine handling.

Stay cool

Turn down the A/C with our top-of-the-line Crystalline™ Series CR BLK film. Rejecting up to 64% of total solar energy coming through the windows, this improved tint helps optimise cabin comfort.

See clearly

The Crystalline™ Series CR BLK is designed to enhance your view by allowing visible light into your vehicle while keeping heat out, so you can see clearly through your windows — and maintain your vehicle's original appearance.



3M backed warranty: Backed by one of the most comprehensive warranties you can get.
Sold and installed by professional 3M authorized dealers and installers, our films are durable, long-lasting and virtually maintenance free.

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.
- **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.
- **IRER — Infrared Energy Rejection**
  The percent of solar infrared energy rejection over the wavelength range from 780–2,500 nm. IRER takes into account the transmitted and absorbed IR energy that will be reradiated into a car. Infrared rays are primarily responsible for the heat you feel when driving.
- **IRR — Infrared Rejection**
  The percentage of solar infrared energy rejection over the wavelength range from 900–1,000 nm.
- **Glare Reduction**
  The percentage by which visible light is reduced by the addition of film.

Choose your level of protection

The Crystalline™ Series CR BLK is available in a variety of tint levels to meet your needs.

		CR BLK 15	CR BLK 30	CR BLK 35	CR BLK 40	CR BLK 50	CR BLK 60	CR BLK 70	CR BLK 80
TSER	Total Solar Energy Rejected	62%	59%	57%	54%	53%	49%	43%	32%
IRER*	Infrared Energy Rejection	66%	70%	69%	68%	69%	68%	63%	48%
	VLT	17%	35%	40%	50%	59%	69%	78%	88%
	UV Rejection	99.9%	99.9%	99.9%	99.9%	99.9%	99.8%	99.8%	99.8%
	Glare Reduction	81%	61%	55%	44%	34%	22%	12%	1%
	IRR**	98%	98%	98%	98%	98%	97%	97%	95%

Data is comparable to current auto industry method using a clear 89% VLT glass, and testing is in accordance to ANSI/NFRC 200 Procedure

*IRER — Percent of solar infrared energy that is rejected over the wavelength range from 780–2,500 nm. IRER takes into account the transmitted and absorbed IR energy that will be reradiated into a car. Data shown is for the performance of film applied to glass.

**IRR — Percent of solar infrared energy in the 900–1,000 nm wavelength range that is rejected by the film. Measurement is made of film with liner alone (i.e. no glass).

IMPORTANT: The law on auto tint varies by state or province. Please check your state or province laws or ask your dealer for films approved for use on vehicles.

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