

Increasing protection and privacy



What is Window Film?

Window Film is a highly engineered, optically clear, polyester film composite. It undergoes various treatments to provide safety, security, solar control and decorative enhancements for building and transportation glazing.



Improved thermal comfort

The application of Window Film can reduce the amount of heat that enters through the glass, helping to stabilize in-car temperatures and make occupants feel more comfortable. Driver attention, alertness and awareness may be improved as a result.

Improved appearance

Automotive Window Film can be used to improve the appearance of a vehicle by upgrading the existing glass to give it the appearance of being factory-tinted. It allows owners to manage appearance and customize glazing to taste.

Reduced fuel consumption & CO₂ emissions

The installation of automotive window Film reduces in-cabin temperatures, therefore the need for air conditioning is reduced. As air conditioning increases fuel consumption, vehicles with automotive Window Film benefit from decreased fuel consumption and CO₂ emissions.

Maintaining optimum temperatures also reduces the strain on air conditioning systems – reducing wear and tear, and can therefore prolong the life of the system.

Reduced Glare

Glare can be very distracting, and can affect concentration. When combined with in-car heat this can lead to driver fatigue. Automotive Window Film can help to reduce glare and driver fatigue by preventing excessive light and heat energy from entering the vehicle. Heat gain is mainly a problem during the summer months, but blinding glare is a year round problem caused by both natural and artificial lighting.

UV Protection

Medical research shows a “statistically significant” correlation between areas of the body most often exposed to UV whilst driving and the occurrence of skin cancers¹.

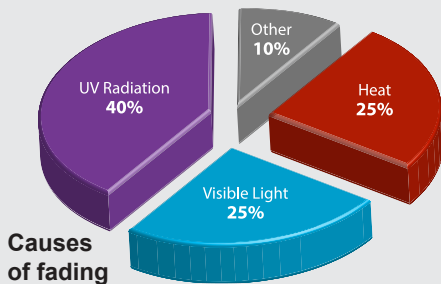
Window Film offers increased protection by reducing the amount of UV that passes through the glass by up to 99.9%, and is therefore recommended by doctors and the Skin Cancer Foundation².



Reduced Interior Fading

Exposure to ultra-violet rays from sunlight contributes to fading and can cause irreparable damage to a car's interior and contents.

Automotive Window Film reduces damaging UV rays and other causes of fading to help protect a vehicle's interior. It will also protect valuable contents such as mobile phones, audio equipment and speakers.



What causes fading?

Fading is the degradation of pigments resulting in a change of appearance of an object to the human eye. It is caused by a number of factors, such as UVA rays, heat and visible light.

Automotive Window Film significantly reduces the biggest contributor to fading, UVA rays, helping to protect a vehicle's interior and contents against fading. It can also address the other causes of fading, visible light and heat, for further protection.

Increased privacy

Tinted Automotive Window Film restricts viewing through a window from the outside, therefore giving increased privacy and added protection from opportunistic theft. If contents cannot be seen they are less likely to be stolen.



Added protection against accidents and theft

Automotive Window Film, particularly those 100µ and above, increase the integrity and shatter resistance of automotive glass. If a thief does attempt to gain entry to a vehicle, Window Film can hold the glass together making it much more difficult and time consuming to do so³. The increased shatter resistance also offers additional safety if accidental breakage occurs. Glass would remain held together, reducing the risk of injury from shattered glass.

1) Jennifer R.S. Gordon "Unilateral Dermatoheliosis" New England Journal of Medicine, 19 April 2012 ; <http://www.nejm.org/doi/full/10.1056/NEJMicm1104059>

2) Daniel B. Burfeind "New study finds time spent driving an automobile may increase skin cancer risk". Dermatology Nursing. FindArticles.com. 07 May, 2012; <http://www.skincancer.org/media-and-press/Press-Release-2010/sun-safety-for-drivers> (accessed May 7, 2012).

3) In the event of a vehicle accident Window Film will not make it more difficult for the emergency services to gain access to occupants.



Types and shades

There are many types of Automotive Window Film, each offering a unique combination of benefits. They are available in a variety of grades, shades and tones. The correct product for your vehicle will depend on the combination of benefits you wish to receive.



Professional Installation

Professional installation is highly recommended to ensure that the full benefits of an automotive Window Film are achieved.

More Information

For further information please visit the EWFA website at www.ewfa.org

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