

The Clear Choice for Windshield Protection

- Protects glass from everyday road debris
- Proprietary, scratch-resistant coating
- Warrantied not to peel, bubble, crack, or yellow
- Protects against accidental breakage and smash-and-grab
- Maintains structural integrity of OEM windshields
- Optically clear, invisible windshield protection
- Faster runoff of rain and snow
- Protects interiors from fading
- Helps maintain vehicle value
- Ideal for maintaining fleet vehicles and reducing down-time
- Essential for ALL vehicles with ADAS technology

Cracks and chips in windshields can be hazardous and expensive to repair. With ClearPlex by Madico you can provide your customers the world's most respected, optically-clear protection for vehicle windshields. This patented product absorbs the impact of typical road hazards, significantly reducing the occurrence of rock chips, pitting, and bull's-eyes; leaving the glass in pristine condition.

Avoid Expensive ADAS Repair Costs

More vehicles are equipped with ADAS technology and ClearPlex can prevent expensive repair costs which can included recalibration of these systems in additional to replacing the glass. The average replacement cost of a ADAS equipped windshield is $1500.* These repair costs can be up to 3 times the cost of installing ClearPlex windshield protection film.

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Ask us about our total vehicle protection solutions - ClearPlex windshield protection film, Protekt® paint protection and our wide array of window film product options.

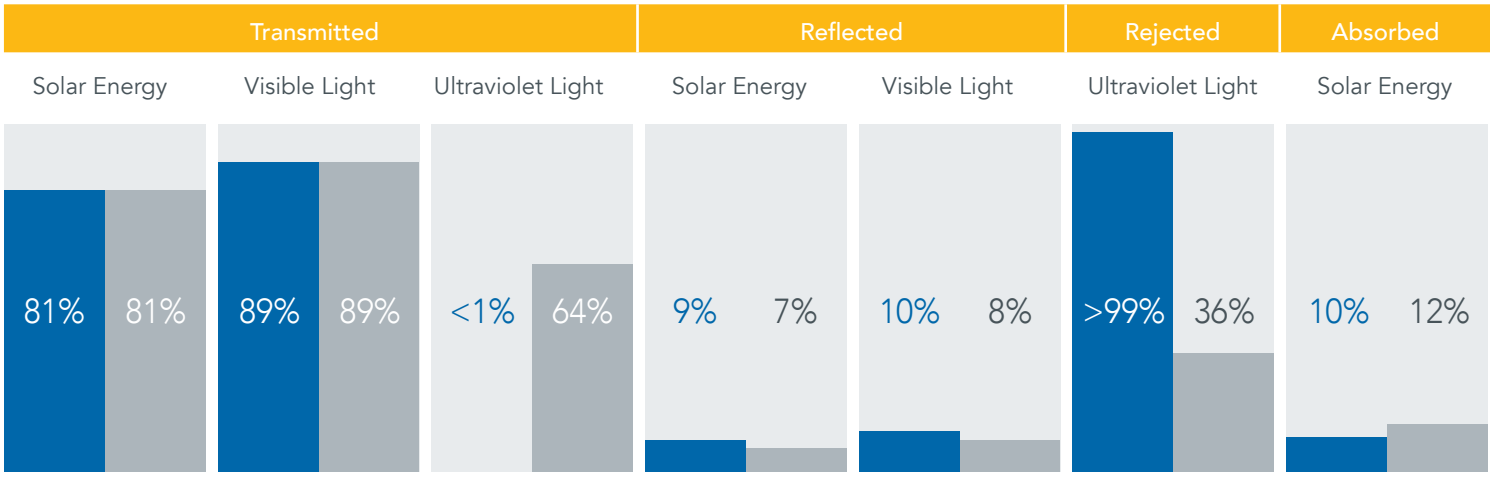
Contact us to learn how ClearPlex windshield protection film can be a profitable addition to your line of products.

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ClearPlex Performance and Testing

ClearPlex Film Versus Glass Alone



Solar performance measurements are read in accordance with National Fenestration Rating Council (NFRC) standards on 6mm clear glass (exterior application).

Tensile Strength
32,000 PSI average,
Machine/Transverse Direction
Test Method: ASTM D-882

Break Strength
100 PSI
Test Method: ASTM D-882

Peel Strength
3.5–4.5 PSI
Test Method: ASTM D-3330

Abrasion Resistance
0.3-0.5% Delta Haze
Test Method: ASTM D-1044

Infrared Surface Blockers
IR Rejection 23%, IRER 18%

Adhesive Type
Acrylic Pressure Sensitive

Base Film Type
Polyester

Film Thickness
4 mil

Pencil Hardness (SR topcoat)
7H

ClearPlex is certified for interior and exterior surfaces to European rail coach standard EN 45545

Who should use ClearPlex?

ClearPlex is ideal for luxury and classic vehicles and for all vehicles equipped with ADAS (Advanced Driver Assistance Systems) windshield technology. These vehicles have windshields that can carry high replacement costs. The average replacement cost of a ADAS equipped windshield is $1500.* ClearPlex film is also perfect for fleet vehicles such as buses, delivery trucks/vans, and rental cars because ClearPlex helps keep these revenue generating vehicles on the road. ClearPlex is also an excellent product for recreational and off-road vehicles as well as for anyone interested in deterring smash-and-grab thefts.

How does ClearPlex windshield film and installation compare to automotive window film?

ClearPlex film and automotive window film are both polyester-based films which require heat molding to be properly installed. Due to the thickness of ClearPlex, installation takes a little longer and requires more heat to properly mold the film to the windshield.

Will ClearPlex impair the driver's vision?

No, Clearplex is optically clear and will not reduce visible light through the windshield. ClearPlex is warrantied not to peel, bubble, crack, or yellow.

Will ClearPlex remain adhered to the windshield?

ClearPlex is strong enough to withstand speeds reached by professional racing vehicles.

What's the best way to maintain ClearPlex Film?

The use of an automotive protective wax such as Turtle Wax, NuFinish, RejeX or Meguiar's Wax is an essential part of the maintenance program for ClearPlex windshield protection film. The wax will maintain the scratch resistance and water repellency of the ClearPlex film when it is used as directed. The wax also seals the ClearPlex film against bird droppings, bugs, oil, tar, grease, dirt and grime. The installer will apply an initial amount of the wax at the time the film is installed on the windshield. The vehicle owner should continue to apply wax to the windshield every month during the life of the ClearPlex film.

Is ClearPlex permanent?

ClearPlex uses a unique adhesive that keeps the film adhered tightly to the windshield but is not permanent. The longevity of ClearPlex on a specific vehicle is directly related to the following factors: 1) Mileage driven, 2) conditions the vehicle operates in, and 3) adherence to proper care instructions.

How is ClearPlex removed or replaced?

The film can be removed by using a hard plastic or stainless-steel object (i.e. edge of a plastic credit card or stainless-steel blade) by simply lifting the film on one edge and then pulling, using slow and consistent pressure. Any adhesive remaining on the windshield can be removed with a non-caustic cleaner designed to remove adhesive. New ClearPlex film can then be installed on the clean windshield.

**Average replacement cost of an ADAS equipped windshield according to a 2018 study by AAA (American Automobile Association) and does not include related body work or recalibration of ADAS systems.*

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The Clear Choice for Windshield Protection

- Protects glass from everyday road debris
- Proprietary, scratch-resistant coating
- Nano-ceramic properties block infrared energy
- Easy to install - fast heat shrinking
- Warrantied not to peel, bubble, crack, or yellow
- Protects against accidental breakage and smash-and-grab
- Maintains structural integrity of OEM windshields
- Optically clear, invisible windshield protection
- Faster runoff of rain and snow
- Protects interiors from fading
- Helps maintain vehicle value
- Ideal for maintaining fleet vehicles and reducing down-time
- Essential for ALL vehicles with ADAS technology

ClearPlex windshield protection film is now available with IR-blocking technology to protect drivers from unwanted infrared energy which can help keep vehicle interiors cooler. ClearPlex films also block 99% of UV.

Cracks and chips in windshields can be hazardous and expensive to repair. With ClearPlex Nano-Ceramic by Madico you can provide your customers the world's most respected, optically-clear protection for vehicle windshields. This patented product absorbs the impact of typical road hazards, significantly reducing the occurrence of rock chips, pitting, and bull's-eyes; leaving the glass in pristine condition.

Avoid Expensive ADAS Repair Costs

More vehicles are equipped with ADAS technology and ClearPlex can prevent expensive repair costs which can included recalibration of these systems in additional to replacing the glass. The average replacement cost of a ADAS equipped windshield is $1500.*

Ask us about our total vehicle protection solutions - ClearPlex Nano-Ceramic windshield protection film, Protekt® paint protection and our wide array of window film product options.

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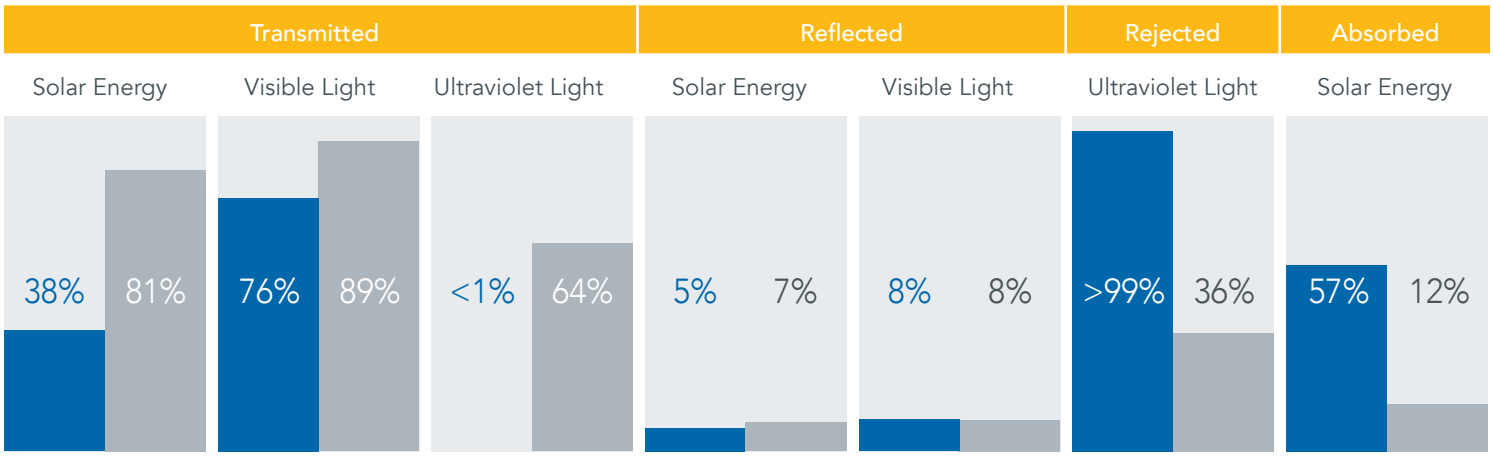
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ClearPlex Nano-Ceramic Performance and Testing

ClearPlex NC Film Versus **Glass Alone**



Read in accordance with National Fenestration Rating Council (NFRC) standards and calculated on single pane 6mm (1/4") clear glass. *IR Rejection is tested in the IR range of 780 to 2500 nanometers. Reported values are typical properties and should not be used as a specification. Since only the user is aware of the specific conditions in which the product is to be used, it is the user's responsibility to determine whether the product is suitable for that intended use. If the specific conditions of use are critically dependent on any of the properties of the product, or if you need further information, contact Madico, Inc. or your local Madico film dealer.

Tensile Strength
32,000 PSI average, Machine/Transverse Direction
Test Method: ASTM D-882

Break Strength
100 PSI
Test Method: ASTM D-882

Peel Strength
3.5–4.5 PSI
Test Method: ASTM D-3330

Abrasion Resistance
< 1.5% Delta Haze
Test Method: ASTM D-1044

Infrared Surface Blockers
IR Rejection 90%, IRER 61%

Adhesive Type
Acrylic Pressure Sensitive

Base Film Type
Polyester

Film Thickness
4 mil

Pencil Hardness (SR topcoat)
7H

Total Solar Energy Rejection
44%

Who should use ClearPlex Nano-Ceramic?

ClearPlex Nano-Ceramic is ideal for luxury and classic vehicles and for all vehicles equipped with ADAS (Advanced Driver Assistance Systems) windshield technology. These vehicles have windshields that can carry high replacement costs. The average replacement cost of a ADAS equipped windshield is $1500.* ClearPlex film is also perfect for fleet vehicles such as buses, delivery trucks/vans, and rental cars because ClearPlex helps keep these revenue generating vehicles on the road. ClearPlex is also an excellent product for recreational and off-road vehicles as well as for anyone interested in deterring smash-and-grab thefts.

How does ClearPlex NC windshield film and installation compare to automotive window film?

ClearPlex film and automotive window film are both polyester-based films which require heat molding to be properly installed. Due to the thickness of ClearPlex, installation takes a little longer and requires more heat to properly mold the film to the windshield. ClearPlex NC is actually slightly easier to heat shrink.

Will ClearPlex NC impair the driver's vision?

No, Clearplex NC is optically clear and will not reduce visible light through the windshield. ClearPlex is warrantied not to peel, bubble, crack, or yellow.

Will ClearPlex NC remain adhered to the windshield?

ClearPlex is strong enough to withstand speeds reached by professional racing vehicles.

What's the best way to maintain ClearPlex NC Film?

The use of an automotive protective wax such as Turtle Wax, NuFinish, RejeX or Meguiar's Wax is an essential part of the maintenance program for ClearPlex windshield protection film. The wax will maintain the scratch resistance and water repellency of the ClearPlex film when it is used as directed. The wax also seals the ClearPlex film against bird droppings, bugs, oil, tar, grease, dirt and grime. The installer will apply an initial amount of the wax at the time the film is installed on the windshield. The vehicle owner should continue to apply wax to the windshield every month during the life of the ClearPlex film.

Is ClearPlex NC permanent?

ClearPlex uses a unique adhesive that keeps the film adhered tightly to the windshield but is not permanent. The longevity of ClearPlex on a specific vehicle is directly related to the following factors: 1) Mileage driven, 2) conditions the vehicle operates in, and 3) adherence to proper care instructions.

How is ClearPlex NC removed or replaced?

The film can be removed by using a hard plastic or stainless-steel object (i.e. edge of a plastic credit card or stainless-steel blade) by simply lifting the film on one edge and then pulling, using slow and consistent pressure. Any adhesive remaining on the windshield can be removed with a non-caustic cleaner designed to remove adhesive. New ClearPlex film can then be installed on the clean windshield.

**Average replacement cost of an ADAS equipped windshield according to a 2018 study by AAA (American Automobile Association) and does not include related body work.*

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The world's only patented and most trusted Windshield Protection Film

Impact & Scratch Resistant

Whatever the road dishes out, ClearPlex was designed to take it. With the industry's only patented, advanced, high-performance scratch-resistant hard coat with qualities similar to glass, ClearPlex provides protection against scratches and abrasions including those from your vehicle's windshield wipers.

Protects Interiors & Occupants

ClearPlex windshield film protects a vehicle's interior and its occupants against 99.9% of the sun's harmful UV rays so, you'll stay cooler. Combine with Madico® tinted automotive window film and Protekt® paint protection film for a total protection solution.

A Clear Choice

ClearPlex offers faster run-off of rain and snow resulting in better visibility. It's optically clear so it won't impair your vision and seamlessly integrates with your windshield. The film is thermally fitted to every curve of the windshield, forming a bond with the glass that ensures optical clarity. You will not see it, but you'll feel better knowing it's there.

Avoid Expensive ADAS Repair Costs

ClearPlex can prevent expensive repair costs associated with ADAS-equipped windshields. Recalibration of sensors is not always covered by insurance when making a windshield claim. Consult your insurance carrier for details.

INTERNATIONAL WINDOW FILM ASSOCIATION

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The Clear Choice for Windshield Protection

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ClearPlex® BY MADICO

The Clear Choice for Windshield Protection

Protect Your Windshield From Road Hazards

Driving on today's roads can be hazardous—especially to your windshield. From small rocks to road debris, unwanted objects that strike your glass can lead to serious, costly damages and driving distractions.

Now you can safeguard your vehicles and investment with ClearPlex® Windshield Protection Film. ClearPlex is the world's first optically-clear protection film for vehicle windshields. Made and distributed by Madico,® it absorbs the impact of standard road hazards, significantly reducing the occurrence of rock chips, stars, pitting, and bull's-eyes—leaving the glass in pristine condition.

Our Promise to You

ClearPlex is guaranteed not to peel, bubble, crack, or yellow for the warrantied life of the film. ClearPlex windshield protection film is ideal for luxury and classic cars, vehicles equipped with ADAS windshield technology, fleets, recreational vehicles and construction equipment. It's a whole new vision in windshield protection.

Clear Peace of Mind

Windshields contribute to a vehicle's structural integrity during a front-end collision and rollover. ClearPlex film can help keep a windshield intact during an accident and prevent the vehicle's roof from collapsing in a rollover. An intact windshield can also help to keep passengers inside the car. Helping preserve windshields in an accident protects the vehicle's occupants as well as the vehicle itself.

Do you have a windshield with ADAS? *(Advanced Driver Assistance Systems)*

These high-tech windshields can be very expensive to replace if broken and may require re-calibration with your car's computer systems. The average replacement cost of a ADAS equipped windshield is $1500.* Help prevent costly repairs and lost drive time by protecting your windshield with Clearplex!

**Average replacement cost of an ADAS equipped windshield according to a 2018 study by AAA (American Automobile Association) and does not include related body work.*





How to maintain ClearPlex Film

The use of an automotive protective wax such as Turtle Wax, NuFinish, RejeX or Meguiar's Wax is an essential part of the maintenance program for ClearPlex windshield protection film. The wax will maintain the scratch resistance and water repellency of the ClearPlex film when it is used as directed. The wax also seals the ClearPlex film against bird droppings, bugs, oil, tar, grease, dirt and grime. The installer will apply an initial amount of the wax at the time the film is installed on the windshield. The vehicle owner should continue to apply wax to the windshield every month during the life of the ClearPlex film.

ClearPlex®
BY MADICO

ClearPlex Invisible Windshield Protection Film helps protect glass from rock chips, pitting, and bull's-eyes, keeping glass in its original, pristine condition.

ClearPlex Film is optically clear so drivers don't even notice it's applied and it's guaranteed not to peel, bubble, crack, or yellow under warranty.

ClearPlex Windshield Protection Film can also be applied to sunroofs, side and rear windows for added protection against hail and smash and grab incidents.

Why Madico?

Madico window films are an elegant, practical solution for comfort, protection and natural appearance. With over 100 years of innovation, Madico is a leading provider of advanced products engineered to meet your needs. When selecting the right window film for your home or building, you can trust in our professionally installed quality products.

IWFA INTERNATIONAL WINDOW FILM ASSOCIATION®

AIMCAL ASSOCIATION OF INDUSTRIAL METALLIZERS, COATERS AND LAMINATORS

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WINDSHIELD PROTECTION

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Performance Measurements

Visible Light:

Transmitted..... 89%
Reflected Exterior..... 10%
Reflected Interior..... 9%

Total Solar Energy:

Transmitted..... 81%
Reflected 9%
Absorbed..... 10%

Shading Coefficient 0.97
Solar Heat Gain Coefficient..... 0.84
Ultraviolet Rejection ..... Exceeds 99%
Infrared Rejection*..... 23%
Infrared Energy Rejection 18%

Pysical Properties:

Film Thickness ..... 0.0045"
Structural Component..... 0.004"
Base Film Type ..... Polyester
Adhesive Type ..... Acrylic Pressure Sensative
Tensile Strength..... 32,000 PSI Avg. MD/TD
Break Strength..... 100 Pounds Per Inch (Width)
Peel Strength..... 3.5 to 4.5 Pounds Per Inch
Abrasion Resistance ..... 0.3 to 0.5 Delta Haze

* Near IR range (780-2500nm)
Performance measurement definitions can be found at www.madico.com

Read in accordance with National Fenestration Rating Council (NFRC) standards on 6mm clear glass.






Specification Use Statement

Reported values are typical properties and should not be used as a specification. Since the user is aware of the specific conditions in which the product is to be used, it is the user's responsibility to determine whether the product is suitable for intended use. If you need verification regarding specific use or additional information, please contact Madico Window Films or your local Madico Authorized Dealer.

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