

CARPRO™



ALMOST INVISIBLE

UTTERLY UNMISTAKABLE



CARPRO™



# Immortal™

Instant Self-Healing  
PPF

Immortal™ Instant Self-Healing PPF protects the paint surface, even from hard impacts at speed, while its thick self-healing layer makes all lighter scratches and swirls disappear before you even get the chance to notice.

HAVE  
NO  
FEAR

SCRATCH ME  
IF YOU CAN



# immortal™

Instant Self-Healing  
PPF

## GLOSS

Immortal™ PPF is our newest development in the pursuit of ultimate automotive paint protection. With CARPRO Immortal™, we are taking a massive step in innovation to offer you the first ever paint protection film which instantly self-heals in temperatures as low as 0°C! This means you won't have to use heat guns or hot water to fix any scratches – you'll simply never notice them!

We've extensively tested and developed every area of performance to make sure Immortal™ PPF offers (and maintains over time) the highest level of transparency, clarity, and a high-gloss finish with a strong self-cleaning hydrophobic effect.

Immortal PPF is a high performance, self-adhesive, clear-coated aliphatic polyurethane film. It has exceptional elongation properties for ease of application. Immortal is a very low surface energy film designed to resist staining and offer superior environmental resistance and gloss retention. Immortal is coated with Ashland ultra-clear high performance acrylic adhesive resistant to delamination and with excellent adhesion on a broad range of surfaces. It will not damage paint or leave behind residue upon removal.



PROTECTION FROM ROCK CHIPS, SWIRLS, SCRATCHES, BUGS, BIRD DROPPINGS

NON-YELLOWING

ANTI-FOULING

SELF-HEALING FROM 0°C

HIGHLY HYDROPHOBIC, STAIN RESISTANT, SELF-CLEANING

EXTREMELY LOW ORANGE PEEL EFFECT

PERFECT TRANSPARENCY AND A HIGH-GLOSS FINISH

EASY INSTALLATION

SOLVENT AND UV-RESISTANT





# WHY Immortal™?

## 01 INSTANT SELF-HEALING

Immortal™ instantly self-heals in temperatures as low as 0°C!

This means you won't have to use heat guns or hot water to fix any scratches – you'll simply never notice them! There are already many self-healing films available but don't be fooled. Only a handful are able to heal in room temperatures, and none can match the thickness of Immortal's 20 micron self-healing layer.

**NOTE:** Instant Self-Healing is available only in Immortal Gloss and Black.

Immortal	COMPETITION
no heat required healing begins at 0°C	heat-activated – requires a heat gun
20 micron instant self-healing layer	max 10 micron or none at all
heat-assisted self-healing is still possible  for scratches deeper than the 20 micron instant self-healing layer	

## 02 PERFECT SURFACE FINISH

We have built our success on gloss, slickness, hydrophobic self-cleaning, so it should be no surprise Immortal™ PPF excels in all of these qualities.

Even the most experienced PPF installers are in awe of Immortal™ PPF's surface finish. Plus, it's all covered by warranty.

Immortal	COMPETITION
perfectly smooth finish: near zero orange peel	lack of top liner leading to surface imperfections
extreme gloss, clarity and hydrophobicity, <u>all covered by warranty</u>	varying performance and often limited warranty
perfect compatibility with industry-leading C.QUARTZ coatings	no PPF manufacturer can realistically compete with C.QUARTZ

## 03 EVERYTHING ELSE

We made sure the film itself, as well as the entire ecosystem around Immortal™ PPF guarantees perfect installation and unrivaled customer experience.

There is only one thing for you to do:  
**Experience Immortal™ PPF for yourself!**

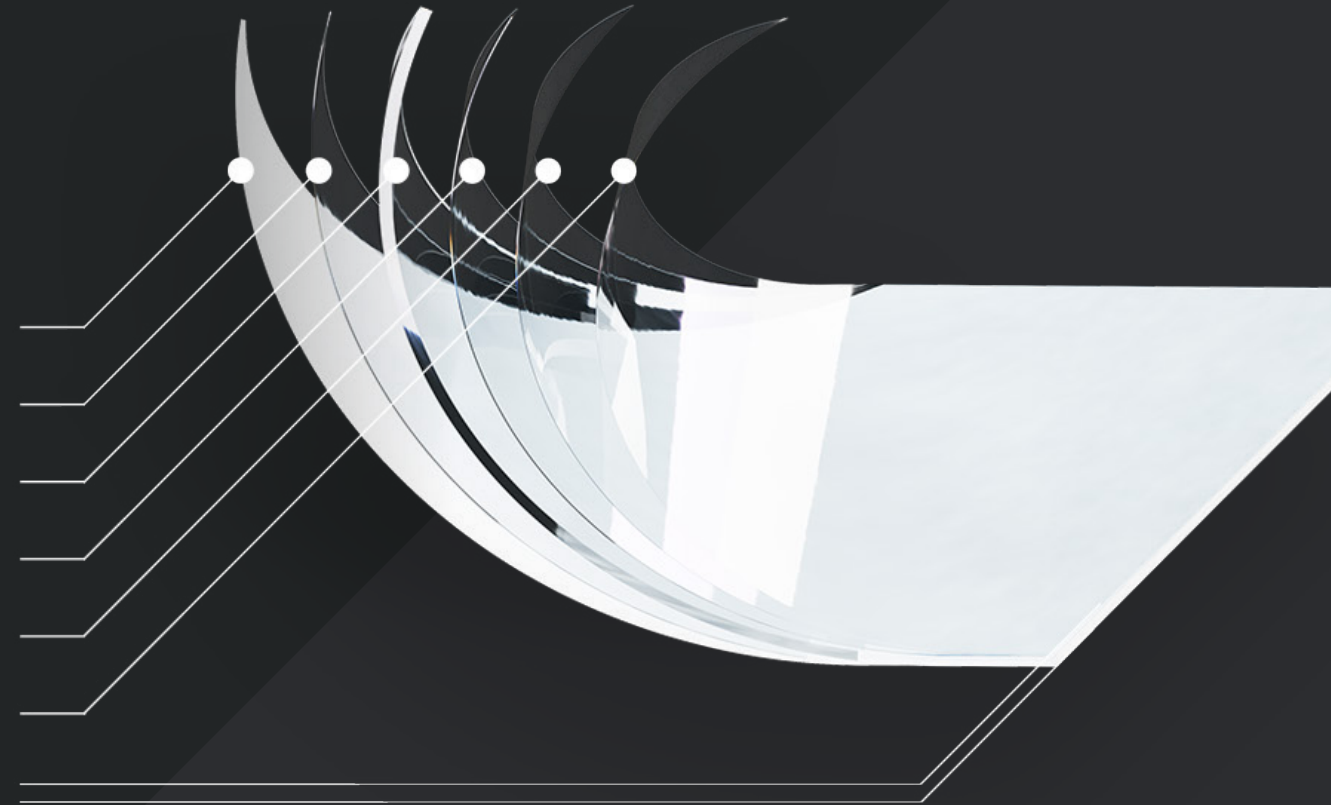
Immortal	COMPETITION
no adhesive residue: easy removal at a lower cost	frequent hard-to-remove adhesive residues
key components manufactured in USA	cheaper substitutes are often used
available only to a carefully selected network of skilled installers	often poorly installed due to uninhibited availability
installers are provided with dedicated software and an ever expanding database of templates fitting any car	



# CONSTRUCTION

We've extensively tested and developed every area of performance to make sure Immortal™ PPF offers (and maintains over time) the highest level of transparency, clarity, and a high-gloss finish with a strong self-cleaning hydrophobic effect.

POLYESTER RELEASE LINER	76 µm
ACRYLIC ADHESIVE	20 µm
ANTI-SCRATCH URATHANE	170 µm
IMMORTAL SELF-HEALING CLEAR COAT	20 µm
SELF-CLEANING COATING	4 µm
PET PROTECTIVE LINER	50 µm
NOMINAL THICKNESS W/O RELEASE LINERS	210 µm ± 5%



**BARE PAINT**

This photo was taken after 3 days of wire brush abuse during a trade show. No heat was applied to achieve self-healing.

**Immortal™**  
Instant Self-Healing PPF



# immortal™

Self-Healing  
PPF

## MATTE

Immortal™ PPF also comes in Matte! Matte car paints are usually horrendously expensive and a nightmare to maintain. Immortal™ solves this by allowing you to convert any painted surface to a beautiful matte finish, with all the protection and performance!

A matte surface is essentially an infinite number of scratches going in all directions, so Immortal's Instant Self-Healing effect isn't even necessary here, however the film will still heal deeper visible scratches which penetrated the matte finish, with a little heat from a heat gun or hot water.

CONVERTS SURFACES TO A BEAUTIFUL MATTE FINISH

PACKS ALL THE PROTECTION AND PERFORMANCE OF IMMORTAL GLOSS

SMOOTH TO THE TOUCH

HEAT-ASSISTED HEALING OF DEEPER SCRATCHES







# immortal™

Instant Self-Healing  
PPF

## BLACK GLOSS

Our acclaimed Immortal™ PPF now available in black!

IMMORTAL Black Gloss can restyle any vehicle's appearance with a premium high-gloss black finish while offering protection against rock chips, scratches, insects, bird droppings, road oils, yellowing, and watermarks.

Black Gloss packs all the performance features of Immortal PPF, including the incredible instant self-healing properties. It is warranted for 10 Years against delamination, yellowing, bubbling and cracking.

HIGH GLOSS BLACK FINISH

PROTECTION FROM ROCK CHIPS, SWIRLS, SCRATCHES, BUGS,  
BIRD DROPPINGS

INSTANT SELF-HEALING

HIGHLY HYDROPHOBIC, STAIN RESISTANT, SELF-CLEANING





# immortal™

Self-Healing  
PPF

## CARBON

IMMORTAL Carbon will transform any panel into a beautiful carbon fiber weave while offering protection against rock chips, scratches, insects, bird droppings, road oils, yellowing, and watermarks.

It beautifully mimics the depth of real carbon weave making it almost indistinguishable from the real thing! Immortal Carbon packs all the performance features of Immortal PPF and is warrantied for 7 Years against delamination, yellowing, bubbling and cracking.

Immortal PPF is a high performance, self-adhesive, clear-coated aliphatic polyurethane film. It has exceptional elongation properties for ease of application. Immortal is a very low surface energy film designed to resist staining and offer superior environmental resistance and gloss retention. Immortal is coated with Ashland ultra-clear high performance acrylic adhesive resistant to delamination and with excellent adhesion on a broad range of surfaces. It will not damage paint or leave behind residue upon removal.

**HIGH GLOSS CARBON FIBER FINISH**

**PROTECTION FROM ROCK CHIPS, SWIRLS, SCRATCHES, BUGS,  
BIRD DROPPINGS**

**HEAT-ASSISTED SELF-HEALING**

**HIGHLY HYDROPHOBIC, STAIN RESISTANT, SELF-CLEANING**





# Immortal™ Glass

Your vehicle and travels have just gotten safer. Again.  
We're proud to complete the ultimate automotive protection lineup  
with Immortal™ Glass!

Immortal™ Glass will protect your windshield even from hard impacts at highway speeds. The film absorbs the majority of rock chips' kinetic energy and prevents damage to the glass. All this while retaining perfect optical clarity, ensuring a comfortable driving experience and safety. Additionally Immortal™ Glass reduces glare and blocks 99% of UV rays.

Immortal Glass is a specialised protective film designed and developed with driving safety as the first priority. The TPU-based shape memory polymer combines exceptional clarity and silky smoothness of PET, with the ease of installation and self-healing properties of traditional TPU.

The advanced polymer also packs self-healing capabilities, allowing protection against wiper scratches and extending its durability especially compared to typical PET-based films. Another clear advantage is the ease of installation, as in contrast to PET, Immortal™ Glass does not require any baking prior to installation.

**HIGH IMPACT ABSORPTION AND SCRATCH RESISTANCE**

**BEST-IN-CLASS OPTICAL CLARITY & GLARE REDUCTION**

**HEAT-ASSISTED SELF-HEALING**

**99% UV REJECTION**

**HYDROPHOBIC SELF-CLEANING COATING**





UWVX





immortal

# UVX

Introducing the newest extension to the Immortal line – CARPRO UVX Nano-ceramic Heat-rejecting Window Film.

Heat-insulating window films are designed to enhance the glass' ability to reject solar energy in the forms of infrared, ultraviolet and visible light. UVX is packed with the newest ceramic nanotech allowing powerful IR heat insulation, blocking up to 99% of UV radiation, and reducing glare. On top of that, UVX comes in 6 levels of Visible Light Transmission (5%, 20%, 35%, 50%, 70%, 90%) allowing you to fine-tune the aesthetics of your car, as well as your sense of privacy inside.

Additionally, in contrast to metalised films, the nano-ceramic structure does not interfere with radio signal. UVX is not a mechanical protection film, however we've still equipped it with an anti-scratch layer which will prolong its life.

UVX comes in 6 levels of VLT (5%, 20%, 35%, 50%, 70%, 90%), as 1520mm x 30m rolls and is fully compatible with all Immortal installation accessories.



**VERY HIGH TSER (TOTAL SOLAR ENERGY REJECTED)**

**REDUCES GLARE**

**99% IR AND UV REJECTION**

**DOES NOT INTERFERE WITH RADIO SIGNAL**

**MORE EFFICIENT COOLING**

**10-YEAR WARRANTY**



UVX comes in 6 levels of VLT (visual light transmission) and allows you to fine tune both the aesthetics and performance of the film.

	UVX <sup>5</sup>	UVX <sup>20</sup>	UVX <sup>35</sup>	UVX <sup>50</sup>	UVX <sup>70</sup>	UVX <sup>90</sup>
VLT	6%	25%	36%	51%	68%	87%
VL REFLECTION	6%	6%	6%	6%	10%	10%
UV REJECTION	99%	99%	99%	99%	99%	99%
IR REJECTION	99%	96%	94%	96%	95%	45%
TSER	71%	67%	65%	59%	52%	20%
SHGC	0,29	0,33	0,45	0,41	0,48	0,8
SC	0,34	0,38	0,52	0,48	0,56	0,93
GLARE REDUCTION	39%	39%	39%	39%	39%	39%
SCRATCH-RESISTANT LAYER	3 H	3 H	3 H	3 H	3 H	3 H

**VLT** – Visual Light Transmission – the lower the number, the darker the film

**TSER** – Total Solar Energy Rejected – the higher the number, the more solar energy (visible, IR, UV) is reflected or absorbed

**SHGC** – Solar Heat Gain Coefficient – the lower the SHGC, the less solar heat transmitted and the greater the shading ability

**SC** – Shading Coefficient – the lower the SC, the less solar heat transmitted and the greater the shading ability



# Construction

RELEASE LINER WITH SILICONE COATING

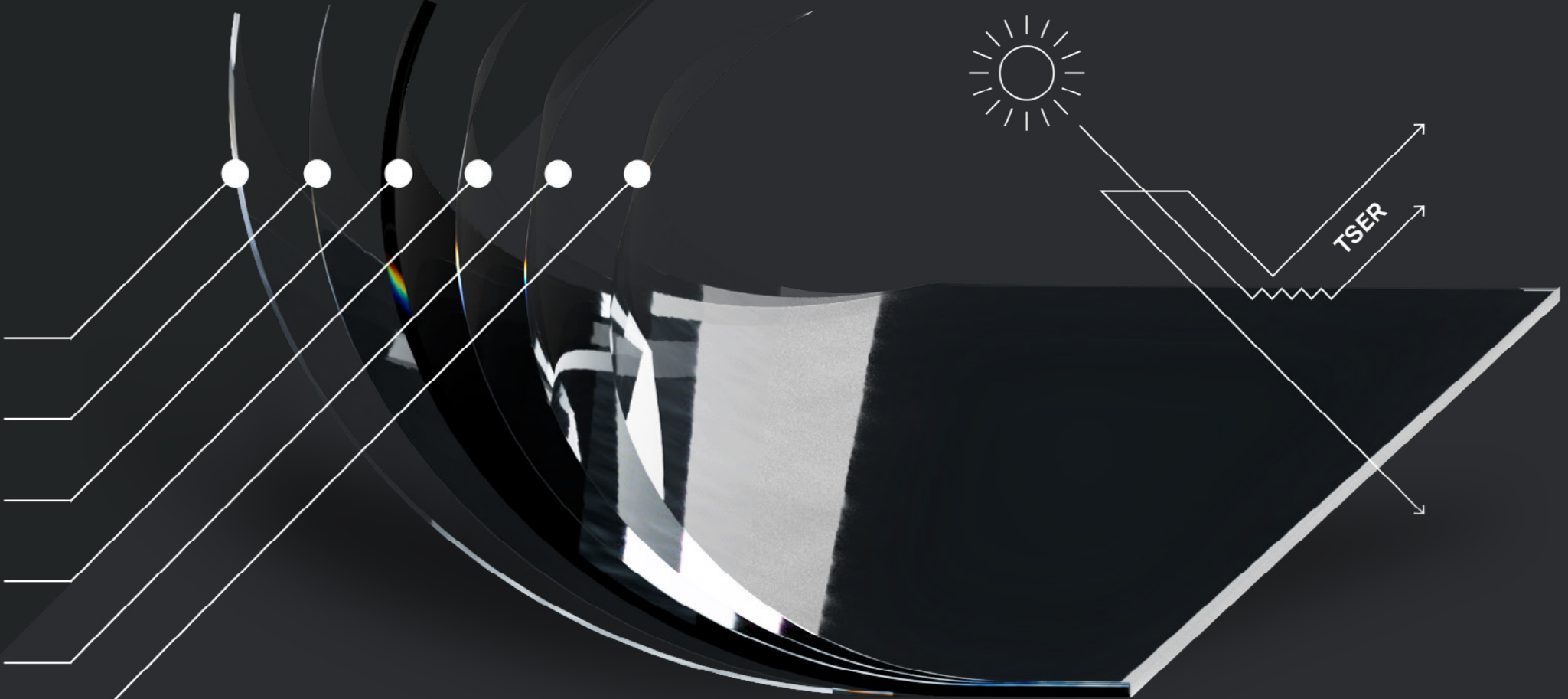
ADHESIVE LAYER WITH UV INHIBITORS

TINTED POLYESTER FILM

ADHESIVE LAYER

NANO-CERAMIC HEAT REJECTION LAYER ON CLEAR PET FILM

SCRATCH-RESISTANT COATING



The technology adopts multilayer sputtering technology to uniformly spray nano-ceramic particles on the base Polyethylene Terephthalate (PET), to reach maximum thermal insulation through heat absorption.

This simply means the car's interior (and you yourself!) will cool down faster and stay cool for much longer, while limiting AC energy usage.



# C.QUARTZ

## The perfect top coat for Immortal

CQUARTZ coatings revered for their outstanding performance by so many professionals around the world are **fully compatible with Immortal™ PPF and work perfectly as a top coat.**

While nothing can rival Immortal™ PPF's mechanical resistance (even to hard impacts at speed) or its instant self-healing properties, CQUARTZ coatings introduce a whole new level of chemical resistance, unparalleled slickness and hydrophobic self-cleaning. While Immortal™ PPF is already UV/solvent-resistant and strongly hydrophobic, CQUARTZ will take it up another notch.

We did not want to force our customers to weigh those benefits and choose between PPF or ceramic coatings, so we made sure both lines are perfectly compatible. The CQ line consists of a variety of professional- and consumer-grade ceramic coatings for all automotive surfaces.

Benefits of topping Immortal™ PPF with CQUARTZ:

**INCREASED UV RESISTANCE**

**INCREASED RESISTANCE TO SALT & CHEMICALS**

**IMPROVED WATER SPOT RESISTANCE**

**EXTREME HYDROPHOBICITY, GLOSS & SLICKNESS**





# Find Your Nearest immortal™ Installer

C.QUARTZ

D.QUARTZ

immortal Instant SoftStart  
PFR



Since day one the goal of CQUARTZ Finest, has been to approve only the most talented, caring, and character driven professionals across the world.

Use the code to locate the nearest CQ, DQ, or Immortal installer in the certified CARPRO network.

← [carpro.global/find-your-finest/](http://carpro.global/find-your-finest/)







[immortal.carpro.global](https://immortal.carpro.global)