



Diamond
Engine Shields Trading
Company Profile

Content

About DES	1
Our vision	2
Products	3
The Project 3	4
The Body Gard	11
Onyx	17

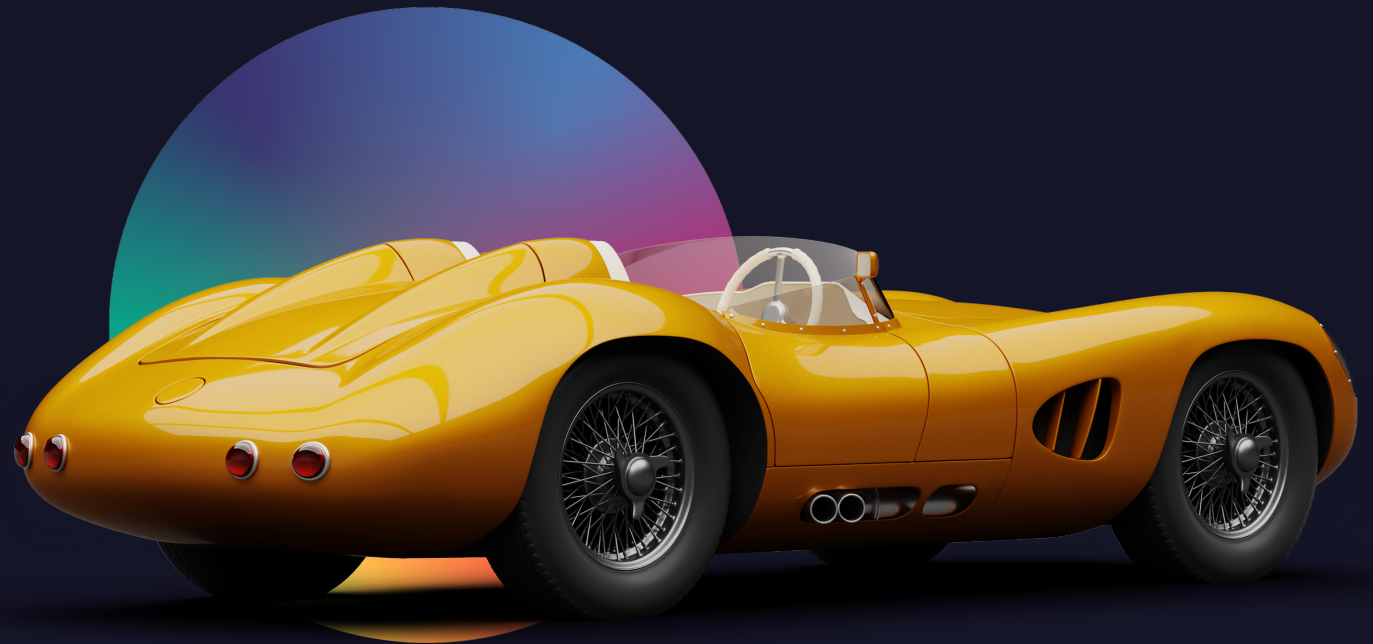


Diamond Engine Shields Trading

Diamond Engine Shields Trading Company

Has always been unique and constantly strives to be a step ahead of the car care market, willing to win in every aspect of its business

Our passion and experience keep us on this path

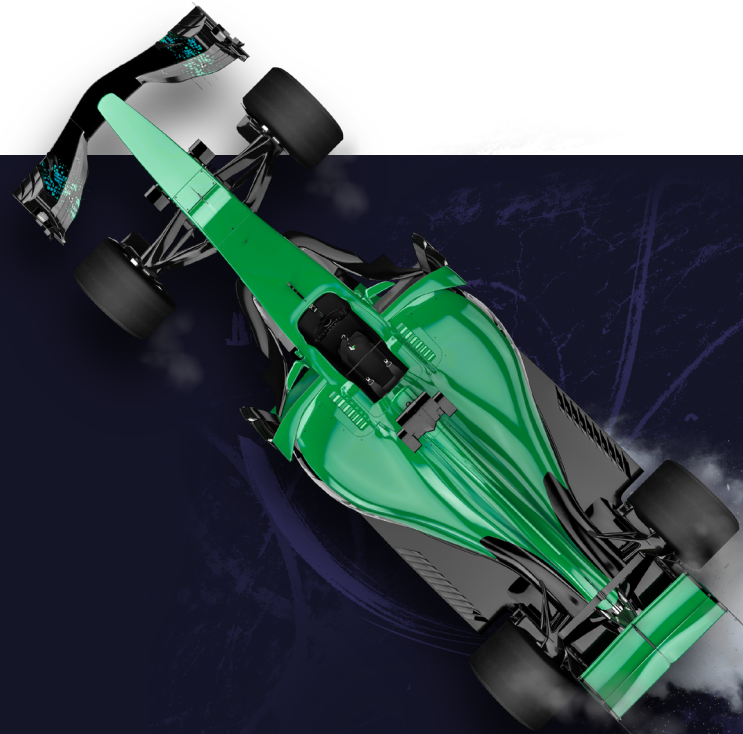


1.

Our vision

We build and nurture long term partnerships with all of our distributors and detailers, helping them to expand their businesses

We achieve this not only by delivering the best products but also by providing high quality promotional materials





Diamond Engine Shields Trading

Products

- Paint Protection Films
- Premium Window Film
- Polish Products
- Nano Ceramic

3.





THE
PROJECT 3
PROTECTION FILM

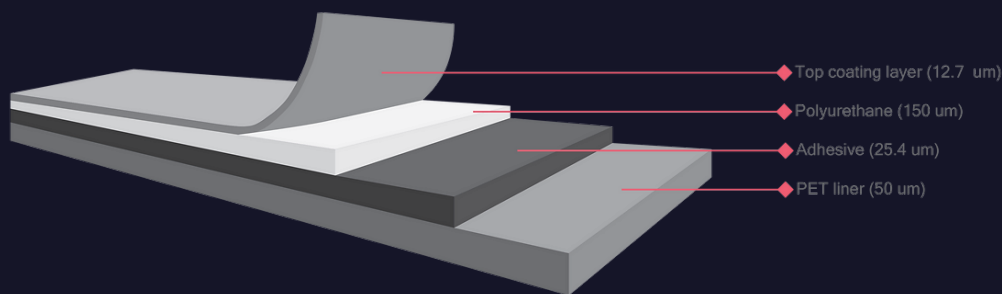
An American company that manufactures comprehensive protection products for cars

These are advanced nano-technology paint protection films, creating a compact structure that is flexible and effective in protecting countless paint surfaces against scratches, rock chips and minor impacts



Key features

- Flexible & easy to install
- Rockchip protection
- High clarity, high gloss
- 8mil thickness
- Hydrophobic top coat

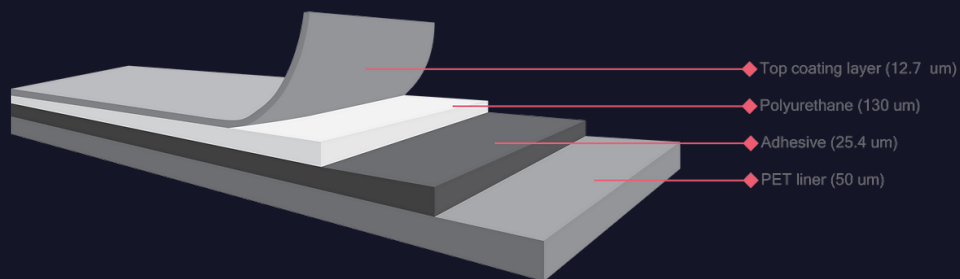


Property	Test Item	Test Method	Unit	Result
Appearance	Rainbow/ Particle	Human-Eye	No Visible (Coated Surface)	Good
Optical Property	Gloss Value	OTM-3-309		≥ 92
	Surface Haze	ASTM D-1003	%	1.6
Physical Property	Tensil Strength	D-412	psi	9000
	Elogation at break	D-412	%	>300
	Taber Abrasion	ASTM D-1044	1000g weight	$\leq 3.3g$
	Weathering Properties	TEST 1 *	1000 hours	No Damage
	Chemical Resistance	5% Acid 5%NAOH 100% Alcohol Gasoline	24 hours	No Damage
	Heating Resistance	80°C 2h-20°C 2h 10 cycle test		No Damage



Key features

- E**xtended durability
- A**nti-yellowing Virtually
- U**ndetectable
- 7**mil thickness
- H**ydrophobic top coat



Property	Test Item	Test Method	Unit	Result
Appearance	Rainbow/ Particle	Human-Eye	No Visible (Coated Surface)	Good
Optical Property	Gloss Value	OTM-3-309		≥ 90
	Surface Haze	ASTM D-1003	%	1.3
	Tensil Strength	D-412	psi	8000
Physical Property	Elogation at break	D-412	%	>400
	Taber Abrasion	ASTM D-1044	1000g weight	$\leq 3.5g$
	Weathering Properties	TEST 1 *	1000 hours	No Damage
	Chemical Resistance	5% Acid 5% NAOH 100% Alcohol Gasoline	24 hours	No Damage
	Heating Resistance	80°C 2h-20°C 2h 10 cycle test		No Damage

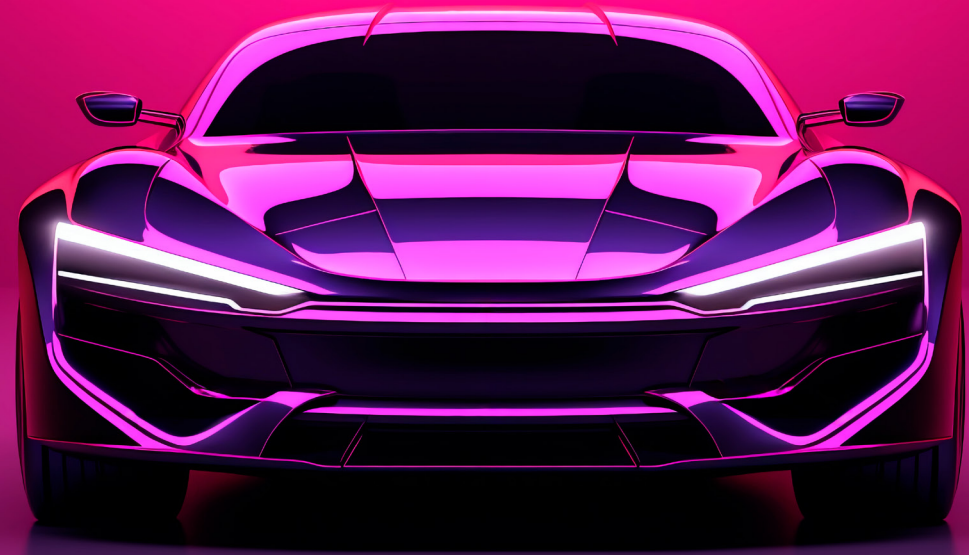
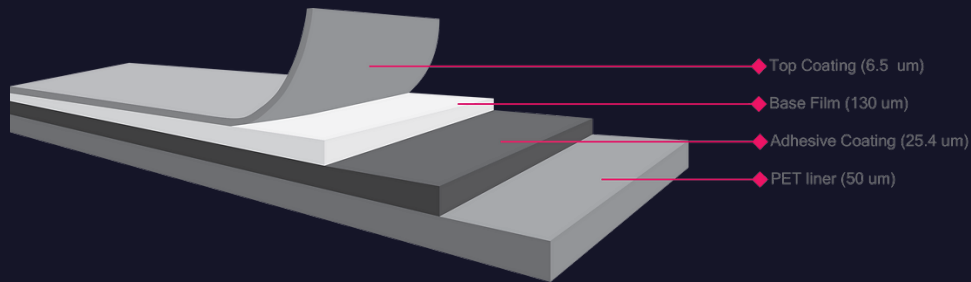




PAINT PROTECTION FILM
GAMMA

Key features

- Extended durability
- Anti-yellowing
- Cost effective solution
- 7mil thickness
- Hydrophobic top coa



Property	Test Item	Test Method	Unit	Result
Appearance	Rainbow/ Particle	Human-Eye	No Visible (Coated Surface)	Good
Optical Property	Gloss Value	OTM-3-309		≥ 90
Physical Property	Surface Haze	ASTM D-1003	%	1.3
	Tensil Strength	GB/T 1040	psi	≥ 2600
	Elogation at break	GB/T1040	%	≥ 320
	Taber Abrasion	ASTM D-1044	1000g weight	$\leq 3.5g$
	Weathering Properties	TEST 1 *	1000 hours	No Damage
	Chemical Resistance	5% Acid 5%NAOH 100% Alcohol Gasoline	24 hours	No Damage
	Heating Resistance	80°C 2h-20°C 2h 10 cycle test		No Damage



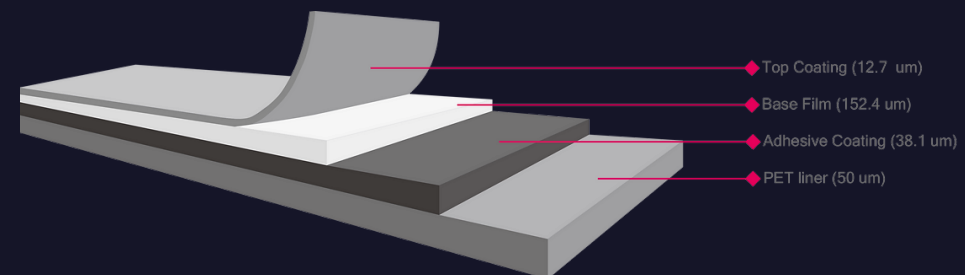
MATTE

Key features

- Extended durability
- Anti-yellowing
- Stylish Matte finishing
- 8mil total thickness
- Protection with style



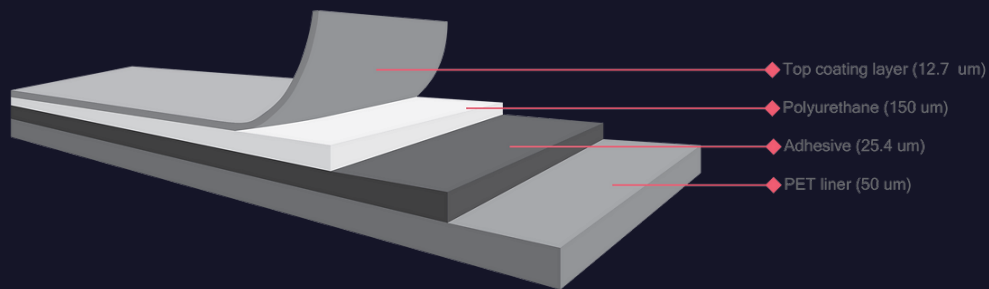
Elongation At Break	>430%	
Maximum Temperature	240 °F	116 °C
Wear Resistance	Taber abrasion test	One million times (no wear and tear)
Chemical Resistance	Isopropanol Test	No Damage
	Ethane/Toluene Test	No Damage
Weathering Properties	QUV 1200h	No Damage
Thermal Effect	70 °C	No Damage
Anti Gravel Performance	SEA J4000 Crusher Simulation System Pass	



BLACK

Key features

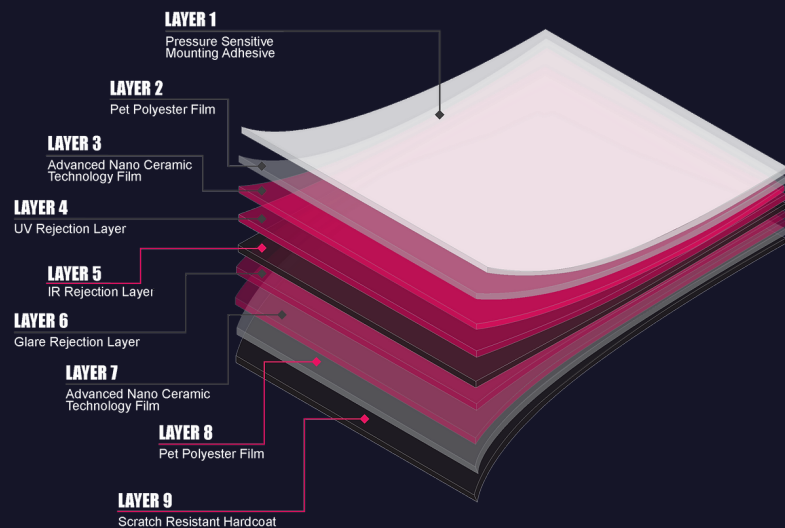
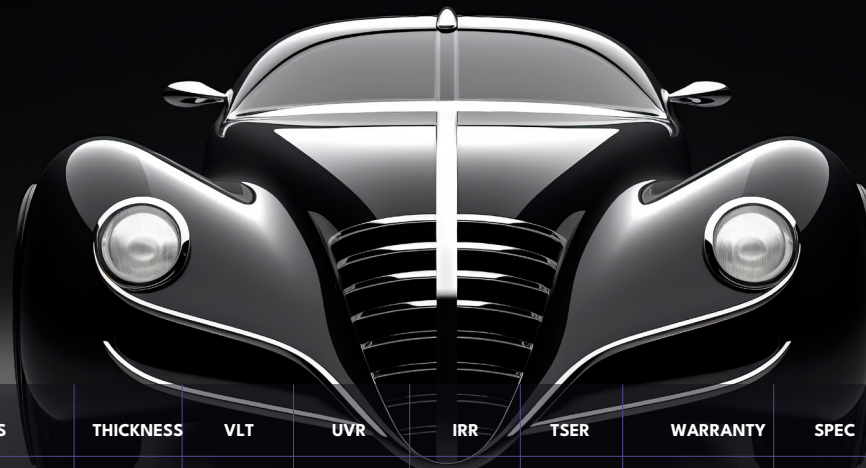
- Extended durability
- Anti-yellowing
- Stylish Matte finishing
- 8mil total thickness
- Protection with style



Property	Test Item	Test Method	Unit	Result
Appearance	Rainbow/ Particle	Human-Eye	No Visible (Coated Surface)	Good
	Gloss Value	OTM-3-309		≥ 92
Optical Property	Surface Haze	ASTM D-1003	%	1.3
	Tensil Strength	D-412	psi	4000
Physical Property	Elogation at break	D-412	%	>225
	Taber Abrasion	ASTM D-1044	1000g weight	$\leq 3.3g$
	Weathering Properties	TEST 1 *	1000 hours	No Damage
	Chemical Resistance	5% Acid 5%NAOH 100% Alcohol Gasoline	24 hours	No Damage
	Heating Resistance	80°C 2h-20°C 2h 10 cycle test		No Damage

SHADE | Specificaion Sheet

ADVANCED NANO CERAMIC WINDOW FILMS



SERIES	THICKNESS	VLT	UVR	IRR	TSER	WARRANTY	SPEC
ULTRA70	2.5mil	70%	99%	95%	57%	8 years	1.52mX30m
ULTRA50	2.5mil	65%	99%	94%	59%	8 years	1.52mX30m
ULTRA35	2.5mil	37%	99%	97%	78%	8 years	1.52mX30m
ULTRA20	2.5mil	18%	99%	97%	85%	8 years	1.52mX30m
ULTRA05	2.5mil	8%	99%	99%	94%	8 years	1.52mX30m
PRO70	2mil	70%	99%	98%	61%	8 years	1.52mX30m
PRO35	2mil	35%	99%	98%	78%	8 years	1.52mX30m
PRO20	2mil	18%	99%	92%	80%	8 years	1.52mX30m
PRO05	2mil	8%	99%	92%	85%	8 years	1.52mX30m
PLUS70	2mil	70%	99%	95%	56%	8 years	1.52mX30m
PLUS50	2mil	50%	99%	95%	65%	8 years	1.52mX30m
PLUS35	2mil	35%	99%	95%	73%	8 years	1.52mX30m
PLUS20	2mil	20%	99%	95%	85%	8 years	1.52mX30m
PLUS05	2mil	7%	99%	95%	93%	8 years	1.52mX30m



the
BODYGUARD



An American company designed to give you the peace of mind you need on the open road, while maintaining the integrity of your vehicle's surfaces mil thick, it effortlessly protects your car from scratches, stone chips, corrosion, 8 pollution and UV rays while maintaining its shine

11.



BODYGARD DIAMOND

Key features

- Gloss Retention
- 9H Nano Ceramic Coating
- Water Beading
- Anti Chipping
- Non-Yellowing
- 9H Scratch Resistance
- 8MILS Thickness

Basic parameters	Test Method	Specification	unit	Test result
Color	Visual Inspection	Colorless and Transparent	μm	Colorless and Transparent
Top PET Film Thickness	GB/T 6672-2001	50+2	μm	52
Liner PET Film Thickness	GB/T 6672-2001	85±3	μm	87
Products Total Thickness	GB/T 6672-2001	1855±5%		192
Glossy	Gloss Meter @60°	≥90		93.8
Haze	GB/T 2410-2008	≤0.8		0.59
Visible transmittance	GB/7258-2017-11.5.7	≥80		91.5
UV Rejection	LS182 Test Meter	>90		95.3
QUV ageing resistant	ASTM G154-16 circulation 1	AE*ab <2		0.31
Hydrophobic	Mark Pen/Water	Hydrophobic		Hydrophobic
Surface permeability resistance	MG-2110 Mark pen, 10safter alcohol wipe	slight/no trace		slight traces
Thermal self-healing	Brass brush 10 times, 50-70°C hot water 1min	100% self- healing		100% self-healing
Acrylic layer peeling force/20min	GB/T 2792	>600	gf/inch	1453
Acrylic layer peeling force/24h	GB/T 2792	>1000	gf/inch	1821
Tear strength	GB/T 529	240	KN/m	62.1
Elongation at break of coating	GB/T 1040.1	>80	%	113
Tensile Strength	GB/T 1040.1	>15	Mpa	20.5
Elongation at break of PPF	GB/T 1040.1	>250	%	358.7
100% modulus	GB/T 1040.1	>6	Mpa	6.8

12.



BODY GARD MATTE

Key features

- Self Healing
- Non-Yellowing
- Water Beading
- Anti Chipping
- 8MILS Thickness

Basic parameters	Test Method	Specification	unit	Test result
Color	Visual Inspection	Matte	μm	Matte
Liner PET Film Thickness	GB/T 6672-2001	85±3	μm	88
Products Total Thickness	GB/T 6672-2001	185±5%		192
Glossy	Gloss Meter @60°	<20		13.8
UV Rejection	LS182 Test Meter	>90		98.2
QUV ageing resistant	ASTM G154-16 circulati 1	AE*ab < 2		0.23
Hydrophobic	Mark Pen/Water	Hydrophobic		Hydrophobic
Surface permeability resistance	MG-2110 Mark pen, 10safter alcohol wipe	slight/no trace		slight traces
Thermal self-healing	Brass brush 10 times, 50-70°C hot water 1m	100% self- healing		100% self-healing
Acrylic layer peeling force/20min	GB/T 2792	>600	gf/inch	1710
Acrylic layer peeling force/24h	GB/T 2792	>1000	gf/inch	2073
Tear strength	GB/T 529	≥40	KN/m	60.3
Elongation at break of coating	GB/T 1040.1	>70	%	77
Tensile Strength	GB/T 1040.1	>15	Mpa	32.3
Elongation at break of PPF	GB/T 1040.1	>200	%	487.3
100% modulus	GB/T 1040.1	>5	Mpa	5.8



BODY GARD ultra series

Key features

- Heat Rejection
- High Visibility
- Chip Protection
- Scratch Resistant
- UV Rejection %99

Product	vlt%	Uvr%	IR%	TESR%	Thick (MIL)
Ultra 70	70%	99.5%	99.5%	75%	2ml
Ultra 50	50%	99.5%	99.5%	77%	2ml
Ultra 35	35%	99.5%	99.5%	80%	2ml
Ultra 18	18%	99.5%	99.5%	81%	2ml
Ultra 08	08%	99.5%	99.5%	83%	2ml



BODY GARD Eco Series

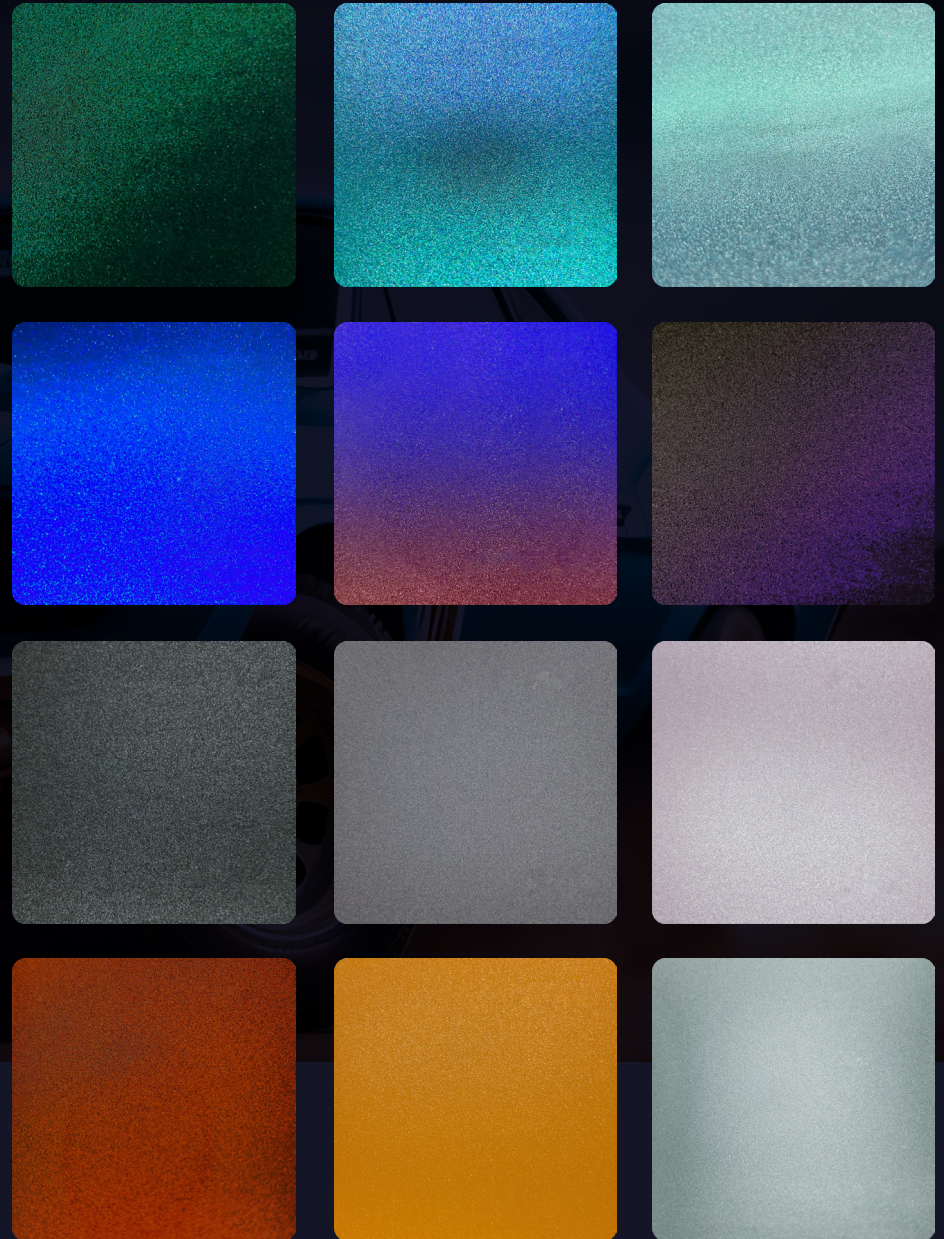
Key features

- Heat Rejection
- High Visibility
- Chip Protection
- Scratch Resistant
- UV Rejection %99

Product	vlt%	Uvr%	VLR%	IRR%	TESR%	Thick (MIL)
ECO08	6	>99	8	94	78	2
ECO15	15	>99	8	98	73	2
ECO35	35	>99	8	95	65	2
ECO50	45	>99	8	97	59	2
ECO70	70	>99	8	94	45	2

BODY COLOR

BODY COLOR





ONYX
COATING

At ONYX COATING the global leader in Ceramic Car Coating
They manufacture automotive protection and care products
They strive to deliver premium quality products that guarantee complete
protection for vehicles of all types
ceramic coating, we are 10H and N1 As the manufacturer of the first certified
also one of the most advanced auto care companies on the market

17.

GRAPHENE PURE

This product is designed with the incredibly advanced Graphene infused Ceramic Coating technology that forms a bond with the exterior that protects like no other. The thick layer of coating that provides a 10H is formulated with small molecules that enhance its protective abilities as a result of this bond between the car's exterior and the product.



- 10H hardness
- Extreme, long-lasting durability
- Incomparable chemical and water repellency
- Infused with the latest Graphene infused technology

Gloss Level	100%
Sleekness	100%
Water Repellency	90%
Chemical Resistance	100%
Scratch Resistance	100%
Pollutant Resistance	100%
Usability	90%

WATER REPELLENCY
120S° at 20 µL, glass

OIL REPELLENCY
70° at 20 µL, glass

ROLL OFF ANGLE
4-9° at 20 µL, glass

COATING THICKNESS
800-1000 nm

INITIAL CURING TIME
IR Heat Treatment- 1 hour
Room Temperature: 2~5 hours

FINAL CURING TIME
14 Days (For using
maintenance coat or wash)

BUILD-UP TIME
4-6 Days (cures with H2O in
the atmosphere)



QUARTZ 9H PRO

9H nano coating product with super hardness and silky touch for high-gloss paint protection.

- Real nano coating
- 9H hardness
- 5 years

NANO COATING BENEFITS

The first multifunctional protective nanoceramic coating from Onyx Coating delivering superior Protection from contaminants and pollutants. The coating is chemical & UV resistant as well as superhydrophobic. Further, it provides a layer of a thickness of more than 600 nanometers with 5 years of lifetime.

9H BENEFITS

9H has high-gloss paint protection with anti-Scratch 9H Hardness showcasing a deep high-gloss reflective finish. Easy to apply on the paint surface and can be used on paint, gel coat, metal, and wheels. Has a water repellency of 110° providing shield which keeps your protected surface looking great.



Gloss Level	90%
Sleekness	90%
Water Repellency	90%
Chemical Resistance	80%
Scratch Resistance	90%
Pollutant Resistance	100%
Usability	90%

WATER REPELLENCY

110S° at 20 µL, glass

OIL REPELLENCY

80° at 20 µL, glass

ROLL OFF ANGLE

4-7° at 20 µL, glass

COATING THICKNESS

600-800 nm

INITIAL CURING TIME

IR Heat Treatment- 1 hour
Room Temperature: 2-5 hours

FINAL CURING TIME

14 Days (For using maintenance coat or wash)

BUILD-UP TIME

4-6 Days (cures with H2O in the atmosphere))



PAINT PREP



The product to prepare a car's exterior for Ceramic Coating. This product effectively and reliably removes all polish or wax residues, silicon, oil, and contamination preparing the surface for a Ceramic Coating application. Its special formula prevents swirl marks, is safe for painted surfaces, and removes all contaminants producing an exterior as smooth as glass.

- Easy, simple, and effective
- Quick and impressive removal of surface contaminants
- Leaves the exterior prepped and smooth as glass

PAINT PREP BENEFITS

Contains ingredients that allow a particularly smooth finish with a microfiber cloth due to high lubricity. This prevents scratches that can arise when using e.g. pure isopropanol (isopropyl alcohol). Easily removes wax, silicone, fillers, and oil from car body paint, gel coat, metal, and wheels. Safe to use on most vehicle surfaces.

20.



PPF NANO COAT

Ceramic coating for PPF and vinyl wrap



The PPF Coat system is Designed to improve the protection of films, Improving the performance and appearance of the films

- Weather and UV resistance
- Anti-graffiti
- High-gloss finish and hydrophobic
- Permanent protection

BENEFITS

PPF coat designed as a special coating to protect TPU, TPH and vinyl wraps. It helps to improve the performance of the films by reducing contaminations, weathering and washing defects, providing easy cleaning. Unique advanced one-coat system will provide a silky coat which will create a higher gloss and a deep wet look.

Gloss Level	95%
Sleekness	95%
Water Repellency	100%
Chemical Resistance	50%
Scratch Resistance	50%
Pollutant Resistance	80%
Usability	100%

WATER REPELLENCY

120S° at 20 µL, glass

OIL REPELLENCY

60° at 20 µL, glass

ROLL OFF ANGLE

11-55° at 20 µL, glass

COATING THICKNESS

200-400 nm

INITIAL CURING TIME

Room Temperature: 2~3 hours

FINAL CURING TIME

14 Days (For using maintenance coat or wash)

BUILD-UP TIME

4-6 Days (cures with H2O in the atmosphere)



GRAPHENE PRO 10H & N1

Ultra hard 10H ceramic coating

The advanced nano-technology mixed with the properties of graphene makes this car care industry that's like no other.

- World's first N1 nano coating
- 10H hardness
- Stays lifetime (terms and conditions apply)

N1 BENEFITS

N1 smooth surfaces adhere less to weather contamination, keeping your coated surface looking great for a longer time. As smoother N1 surfaces with lesser friction coefficients last longer, it minimizes the need for maintenance works. World's first n1 nano-coating with very high contact angle upon application. N1 also increases the water repellency angle of more than 120°.

10H BENEFITS

Graphene 10H is super resistant to scratches and gloss and superb durability. The super-hard coating



Gloss Level	100%
Sleekness	100%
Water Repellency	90%
Chemical Resistance	100%
Scratch Resistance	100%
Pollutant Resistance	100%
Usability	90%

WATER REPELLENCY
120S° at 20 µL, glass

OIL REPELLENCY
70° at 20 µL, glass

ROLL OFF ANGLE
4-9° at 20 µL, glass

COATING THICKNESS
800-1000 nm

INITIAL CURING TIME
IR Heat Treatment- 1 hour
Room Temperature: 2~5 hours

FINAL CURING TIME
14 Days (For using
maintenance coat or wash)

BUILD-UP TIME
4-6 Days (cures with H2O in
the atmosphere)



SUPREME COMPOUND

Supreme compound is the Ultimate Cut compound has an extreme highly abrasive grinding component mix and an additional cut booster. Thermal optimized aluminum oxide micro particles for a reliable defect correction at very easier machine control. The cut takes effect immediately after the start of polishing and leaves a hologram-reduced, homogeneous high gloss.

- Silicone free
- Removes grinds up to 1000 grain
- Dust-free processing
- Low heat generation
- Easy on / Easy off formula
- Matrix system



23.



HOLOGRAM FREE

Hologram Free is our new hologram removal solution. In addition to removing holograms, this product also removes fine sanding marks, and paint defects. With its use of ultra-fine grinding components, it leaves the surface of any car with a brilliant, glossy, and flawless finish.

Our formula is silicone free, and is both easy to apply and remove. Making it perfect for use in any workshop. Whether it's touching up small areas without hassle, refining the finish of a car, or fixing a job gone wrong. This solution has you covered.

- Remove holograms on the darkest of paint
- Glossy finish
- Easy to apply and remove



24.





Thank You