



SENTINEL

PPF

PAINT

PROTECTION

FILM



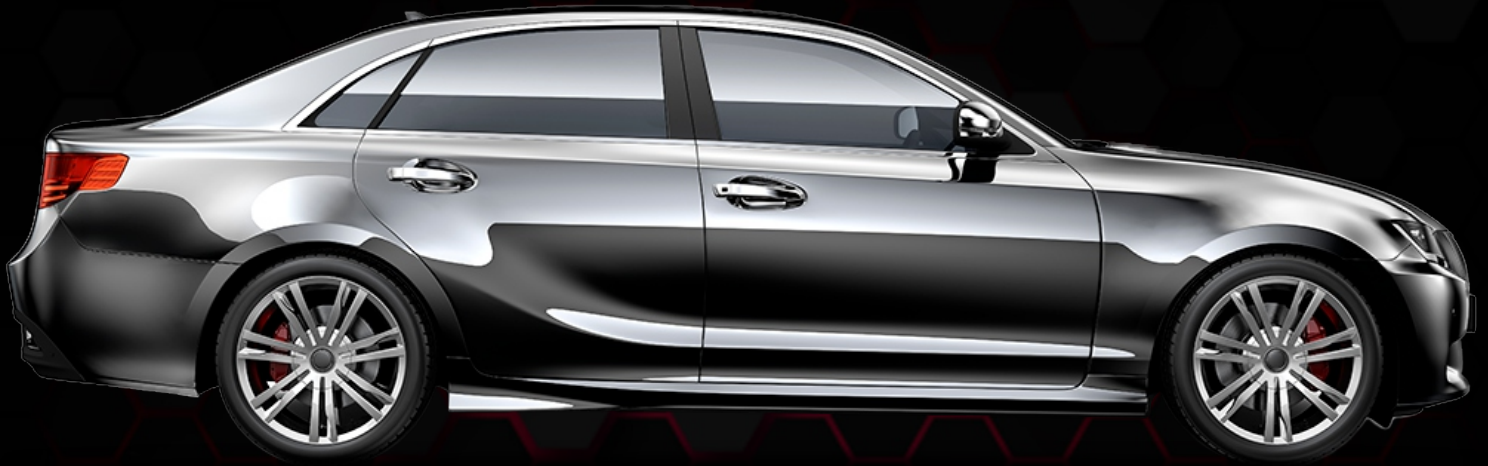
- Self Healing
- No More Scratches, Swirls & Stains
- Protects Original Paint
- Unbeatable Accredited Quality Worldwide



SENTINEL

PAINT PROTECTION FILM

360° painting surface protect
Aim to all-round no dead angle, 360° paint surface
protect imported based material, high ductility and high
tensile, soft and tough can effectively protect
the original precious car paint.



PAINT PROTECTION FILM

Our Paint Protection Film is your best bet to preserving the new-look of your vehicle. This is an invisible film that keeps your vehicle looking new for a long period. The film doesn't interfere with any design or features or colour of the vehicle. It protects the high-risk areas like hoods, side mirrors, front bumpers, door handle cavities, door edges, rocker panels, and rear fender panels. The Paint Protection Film will not only preserve the new look of your vehicle but will also ensure a higher resale value of the vehicle in the future.

**DON'T FEAR ABOUT CHIPS, SCRATCHES,
ROCKS, SAND AND SALT ON INDIAN ROADS.**

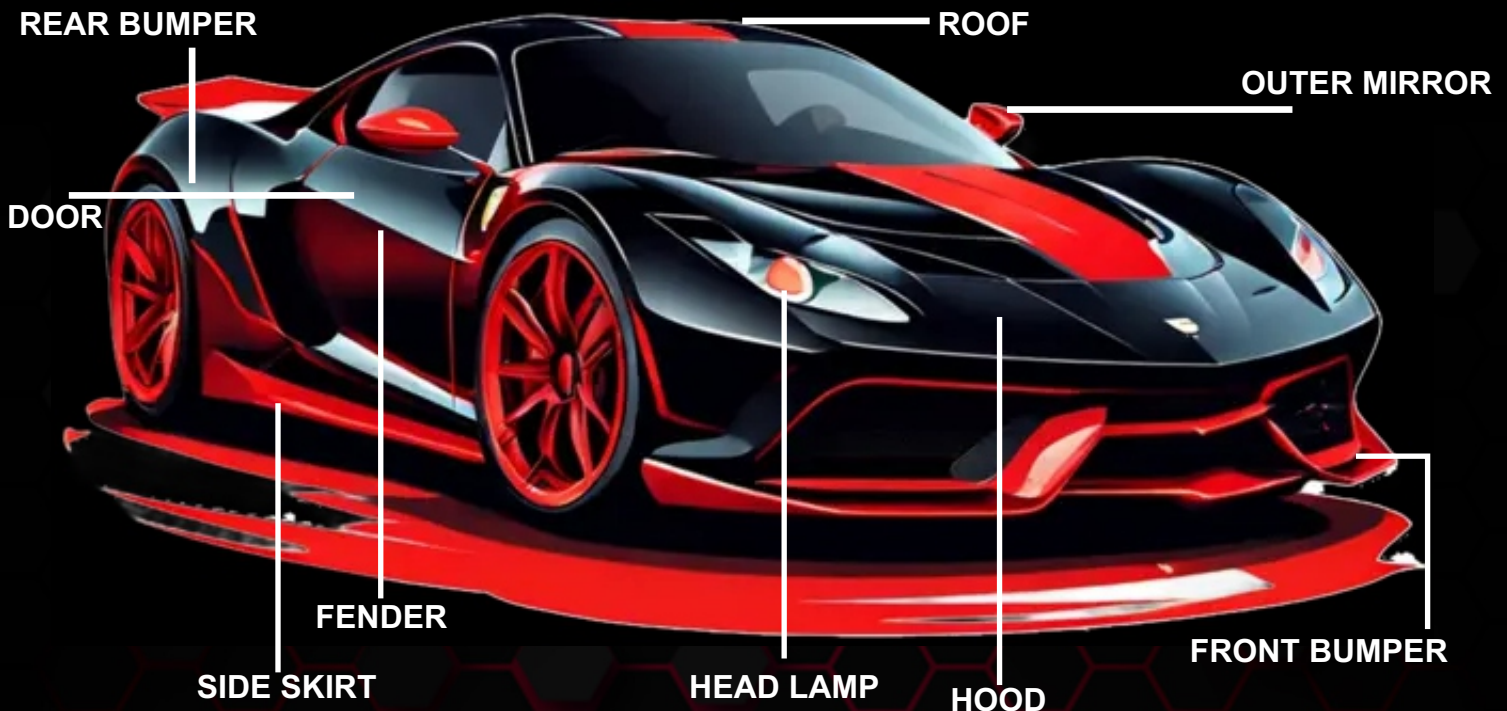
Love driving but afraid of the wild roads of India? The fear of getting your new car damaged is horrifying and as a solution, we suggest adding a layer of our Sentinel car paint protection film. After the application of this barely visible film, the only thing you will have to worry about is following traffic rules.

We provide four different protection films. Whichever you choose according to your requirements Paint Protection Film for durability and Platinum Protection for advanced armour is sure to satisfy your needs



SENTINEL

PAINT PROTECTION FILM



SELF-HEALING

The ability to heal is an advanced feature inside the film's coating called thermoplastic polyurethane (TPU), a flexible thermoplastic layer that can self-heal once damage occurs. Slight abrasions, scratches or outdoor hazards can be easily averted with these time-tested products.

IMPROVED GLOSS

As light passes through the film it illuminates the paint color giving it a shiny glazed appearance. Silicone elements in the substrate also enhance the original paint producing a smooth high-gloss finish

STAIN RESISTANCE

The anti-stain protection comes from polyurethane dispersion (PUD), which is a self-cross-linking technology that enhances coating properties, such as hardness, water and solvent resistance Tough Defense Against the Harsh Road

Tough Defense Against the Harsh Road

Sentinel Paint Protection products are self-healing and heat-curable because of a flexible component in the film, thermoplastic polyurethane (Signature TPU). This class of films has many chemically enhanced properties including elasticity transparency, stain and abrasion resistance. A combination of hard and soft co polymers reacts to rebind and retain their shape causing these PPF films to reseal and heal themselves

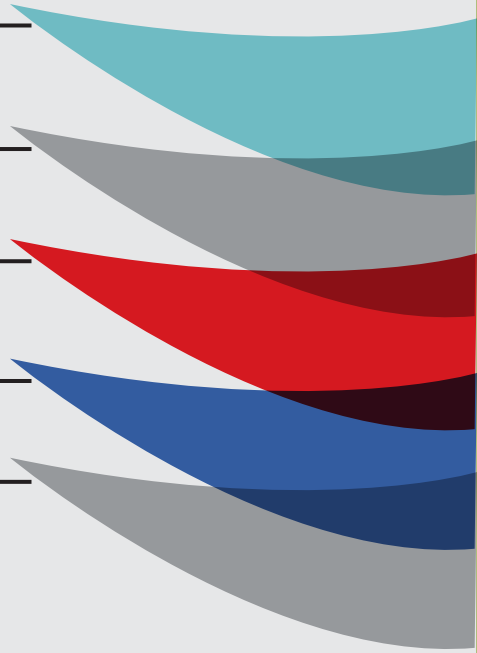
Top PET Protective Film _____

Heat Activated Self healing Topcoat _____

Face Film _____

Acrylic Adhesive _____

Pet Release Liner _____



Protect Your CAR With sentinel Paint Protection Film

BENEFITS OF PPF

Paint Protection film provides you the long lasting protection of your vehicle. Even if any scratches can be happen but your actual car colour remaining same. We know out of the experience the best ways to give your car the showroom make over it richly deserves. We are care for our planet as much as we do for our customers.

- .Your car looking new and shiny.
- .Retains your car's resale Value.
- .Repels environmental damage.
- .Save money on repairs of colour.



UV AND SUNSHINE



TREE GUM



ACID RAIN



BIRD DROPPING



INDUSTRY POWDER



WEATHER EROSION





SENTINEL strong clear paint protection film has a lot of benefits including:

- With a high tensile strength of 2900 PSI (20 MPa) and an elongation of 450%, it provides complete protection for the car.
- Excellent scratch and stain resistance
- 100% clarity and very Glossy
- Resistant to yellowing as specified on each product
- Self-healing technology cures and heals scratches make them disappear
- Tough, durable and maintenance free
- Safeguards against stone chips, abrasion and paint damage
- Resists cracking with UV or salt spray exposure
- Hydrophobic, Self-Cleaning antistatic to Dirt grime, soil filth and clay or excrement.



SENTINEL

PAINT PROTECTION FILM

6.5
Mil
190 Micron
10 Y TPU



- ① 100% TPU Material
- ② World's Stable Supplier
- ③ Full-scale Security Protection
- ④ Self-Healing / Wet Pasting
- ⑤ Hyper Gloss By 40%

CONFIGURATION	TESTING MOLD	PRM	CONCLUSION
VLT	Illuminance meter	≥ 80%	88.60%
Gloss	Gloss meter	≥ 90°	94°
Total Thickness	GB/T6672-2001	185±5μ	188μ
Self Healing	Brush the copper 10 times with hot water at 50-70° C for 1 minute	Invisible/slight	100.0%
180°peel force 24h	GB/T529	≥ 600	916gf
Coating elongation	GB/T2792	≥ 70%	100.0%
Film maximum elongation	GB/T 1040.1	≥ 200%	310.0%
Penetration resistance	Tensile testing machine	≥ 150	176
Resistant to organic solvent	Xylene, wipe with alcohol after 10 second	No abnormalites	Passed
Stain resistance	Marker pen, wipe with alcohol after 10 seconds	Slight/no traces	Extremely slight

SENTINEL - 108PPFZX10Y



SENTINEL- PAC108PPFTX7Y



6.5
Mil
190 Micron
7 Y TPU



- ① 100% TPU Material
- ② World's Stable Supplier
- ③ Full-scale Security Protection
- ④ Self-Healing / Wet Pasting
- ⑤ Hyper Gloss By 35%

CONFIGURATION	TESTING MOLD	PRM	CONCLUSION
VLT	Illuminance meter	≥ 80%	88.60%
Gloss	Gloss meter	≥ 90°	94°
Total Thickness	GB/T6672-2001	190±2μ	191μ
Self Healing	Brush the copper 10 times with hot water at 50-70° C for 1 minute	Invisible/slight	100.0%
180°peel force 24h	GB/T529	≥ 700	974gf
Coating elongation	GB/T2792	≥ 70%	100.0%
Film maximum elongation	GB/T 1040.1	≥ 200%	310.0%
Penetration resistance	Tensile testing machine	≥ 150	180
Resistant to organic solvent	Xylene, wipe with alcohol after 10 second	No abnormalites	Passed
Stain resistance	Marker pen, wipe with alcohol after 10 seconds	Extremely slight	Extremely slight



SENTINEL

PAINT PROTECTION FILM

7.5
Mil

190 Micron
5Y TPU



- ① 100 % TPU Material
- ② World's Stable Supplier
- ③ Full-scale Security Protection
- ④ Self-Healing / Wet Pasting
- ⑤ Hyper Gloss By 40%

CONFIGURATION	TESTING MOLD	PRM	CONCLUSION
VLT	Illuminance meter	≥ 80%	88.6%
Gloss	Gloss meter	≥ 90°	94°
Total Thickness	GB/T8672-2001	192±2μ	192μ
Self Healing	Brush the copper 10 times with hot water at 50-70° C for 1 minute	Invisible/slight	100.0%
180°peel force 24h	GB/T529	≥ 600	896gf
Coating elongation	GB/T2792	≥ 70%	100.0%
Film maximum elongation	GB/T 1040.1	≥ 200%	310.0%
Penetration resistance	Tensile testing machine	≥ 150	175
Resistant to organic solvent	Xylene, wipe with alcohol after 10 second	No abnormalites	Passed
Stain resistance	Marker pen, wipe with alcohol after 10 seconds	Slight/ no traces	Extremely slight

SENTINEL- LCD1081800PX5Y



SENTINEL- LCD10836000D3Y



6.5
Mil

165 Micron
3Y TPU



- ① 100 % TPU Material
- ② World's Stable Supplier
- ③ Full-scale Security Protection
- ④ Self-Healing / Wet Pasting
- ⑤ Hyper Gloss By 30%

CONFIGURATION	TESTING MOLD	PRM	CONCLUSION
VLT	Illuminance meter	≥ 80%	88.7%
Gloss	Gloss meter	≥ 90°	93°
Total Thickness	GB/T6672-2001	170±2μ	170μ
Self Healing	Brush the copper 10 times with hot water at 50-70° C for 1 minute	Invisible/slight	100.0%
180°peel force 24h	GB/T529	≥ 600	816gf
Coating elongation	GB/T2792	≥ 70%	100.0%
Film maximum elongation	GB/T 1040.1	≥ 200%	310.0%
Penetration resistance	Tensile testing machine	≥ 150	175
Resistant to organic solvent	Xylene, wipe with alcohol after 10 second	No abnormalites	Passed
Stain resistance	Marker pen, wipe with alcohol after 10 seconds	Slight/ no traces	Extremely slight



SENTINEL

PAINT PROTECTION FILM

6.5
Mil

165 Micron
3 Y MATT



- ① PU Material
- ② Matt Texture
- ③ World's Stable Supplier
- ④ Full-scale Security Protection
- ⑤ Self-Healing /Wet Pasting

CONFIGURATION	TESTING MOLD	PRM	CONCLUSION
VLT	Illuminance meter	≥ 80%	78.7%
Gloss	Gloss meter	/	/
Total Thickness	GB/T6672-2001	170±5μ	170μ
Self Healing	/	/	/
180°peel force 24h	GB/T529	≥ 600	876gf
Coating elongation	GB/T2792	≥ 70%	100.0%
Film maximum elongation	GB/T 1040.1	≥ 200%	310.0%
Penetration resistance	Tensile testing machine	≥ 150	168
Resistant to organic solvent	Xylene, wipe with alcohol after 10 second	No abnormalities	Passed
Stain resistance	Marker pen, wipe with alcohol after 10 seconds	Slight/no traces	Extremely slight

SENTINEL- LCD108MXYM3Y



SENTINEL- LCD108GX06DW3Y



7.5
Mil

165 Micron
3Y W TPU



- ① 100 % TPU Material
- ② Bright Gloss White
- ③ Full-scale Security Protection
- ④ Self-Healing / Wet Pasting
- ⑤ Hyper Gloss By 40%

CONFIGURATION	TESTING MOLD	PRM	CONCLUSION
VLT	Illuminance meter	≥ 80%	88.7%
Gloss	Gloss meter	≥ 90°	96°
Total Thickness	GB/T6672-2001	189±5μ	190μ
Self Healing	Brush the copper 10 times with hot water at 50-70° C for 1 minute	Invisible/slight	100.0%
180°peel force 24h	GB/T529	≥ 700	940gf
Coating elongation	GB/T2792	≥ 70%	100.0%
Film maximum elongation	GB/T 1040.1	≥ 200%	310.0%
Penetration resistance	Tensile testing machine	≥ 150	172
Resistant to organic solvent	Xylene, wipe with alcohol after 10 second	Passed	Passed
Stain resistance	Marker pen, wipe with alcohol after 10 seconds	Extremely slight	Extremely slight



SENTINEL

PAINT PROTECTION FILM

7.5
Mil

165 Micron
3Y B TPU



- ① 100 % TPU Material
- ② Bright Gloss Black
- ③ Full-scale Security Protection
- ④ Self-Healing / Wet Pasting
- ⑤ Hyper Gloss By 40%

CONFIGURATION	TESTING MOLD	PRM	CONCLUSION
VLT	Illuminance meter	≥ 80%	88.7%
Gloss	Gloss meter	≥ 90°	96°
Total Thickness	GB/T6672-2001	189±5μ	190μ
Self Healing	Brush the copper 10 times with hot water at 50-70° C for 1 minute	Invisible/slight	100.0%
180°peel force 24h	GB/T529	≥ 700	940gf
Coating elongation	GB/T2792	≥ 70%	100.0%
Film maximum elongation	GB/T 1040.1	≥ 200%	310.0%
Penetration resistance	Tensile testing machine	≥ 150	172
Resistant to organic solvent	Xylene, wipe with alcohol after 10 second	Passed	Passed
Stain resistance	Marker pen, wipe with alcohol after 10 seconds	Extremely slight	Extremely slight

SENTINEL - LCD108GX06DB3Y



SENTINEL - LCPAG108012Y



6.5
Mil

165 Micron
2 Y TPU



- ① TPU Material
- ② World's Stable Supplier
- ③ Full-scale Security Protection
- ④ Self-Healing / Wet Pasting
- ⑤ Hyper Gloss By 30%

CONFIGURATION	TESTING MOLD	PRM	CONCLUSION
VLT	Illuminance meter	≥ 80%	88.8%
Gloss	Gloss meter	≥ 90°	96°
Total Thickness	GB/T6672-2001	165±5μ	169μ
Self Healing	Brush the copper 10 times with hot water at 50-70° C for 1 minute	Invisible/slight	100.0%
180°peel force 24h	GB/T529	≥ 600	946gf
Coating elongation	GB/T2792	≥ 70%	100.0%
Film maximum elongation	GB/T 1040.1	≥ 200%	310.0%
Penetration resistance	Tensile testing machine	≥ 150	174
Resistant to organic solvent	Xylene, wipe with alcohol after 10 second	No abnormalities	Passed
Stain resistance	Marker pen, wipe with alcohol after 10 seconds	Slight/ no traces	Extremely slight



IMPORTED AND MARKET BY JMD INTERNATIONAL MUMBAI

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