



**A LEGACY OF EXCELLENCE:
PIONEERING INNOVATIONS
AND SUSTAINABLE SOLUTIONS**

A JOURNEY OF INNOVATION:

KEY BENEFITS OF PAINT PROTECTION FILMS

TECHNICAL SPECIFICATIONS – PPF

REGISTERED OFFICE:
Garware Hi-Tech Films Ltd. Naigaon, Post- Waluj,
Chhatrapati Sambhajnagar-431133, Maharashtra, India

CORPORATE OFFICE
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garwarehitechfilm



Fully vertically integrated, chips to film manufacturer

Top two companies in the world to have patented the manufacturing of base polyester film.

Patented Deep Dyeing Technology in Sun control films

World's largest manufacturer of Sun Control Films (in terms of production capacity)

Consecutive Winners of top Exporters' Award from PLEXCONCIL

Net Carbon-negative company with 100% closed loop waste processing

ISO:9001:2015 certified company

Gold Shield Awardee by Government of India

Winner of CII Technology & Innovation Award

Established Legacy: From its inception in 1957 as Garware Polyester Ltd., Garware Hi-Tech Films Ltd. has been at the cutting edge of film technology.

Pioneered and leading manufacturer: of Suncontrol Film for application in Automotive and Architectural segment under the leading Brand Garware Suncontrol for India and 'Global' for International markets.

Leadership: Since 1982, Sun Control Films have led the Indian market, embodying our commitment to quality and innovation.

Pioneering Technology: Paint Protection Films (PPF) have set new benchmarks in quality and performance in the Automotive films.

Expansive Global Reach: Our presence spans over 90+ countries, supported by strategic subsidiaries in the USA and UK, underscoring our global impact and commitment to excellence.

► **Self Heal:** Paint protection film with self-healing properties has the ability to repair minor scratches and swirl marks on its surface when exposed to heat or sunlight.

► **Hydrophobic:** Paint protection film repels water, preventing water spots and making it easier to clean by causing water to bead up and roll off the surface.

► **High Gloss:** Paint protection film with high gloss clarity maintains the original appearance of your vehicle's paint, ensuring that the car remains brand new once applied.

► **Optical Clarity:** Paint protection film with excellent optical clarity maintains the original appearance of your vehicle's paint, ensuring that it remains virtually invisible once applied.

► **Scratch Resistance:** Paint protection film with scratch resistance is designed to withstand minor abrasions and scratches, providing an additional layer of protection for your vehicle's paint.

► **Stain Resistance:** This feature helps the paint protection film resist stains from common contaminants such as bird droppings, tree sap, and road tar, keeping your vehicle looking clean and pristine.

► **Anti-yellowing:** Paint protection film with anti-yellowing properties is engineered to resist yellowing over time, maintaining its transparency and preserving the aesthetics of your vehicle's paint job.

	TITANIUM PPF	PREMIUM PPF	GLAZE PPF	PLUS PPF	PROTECT PPF	MATTE PPF	BLACK PPF	WHITE PPF
WARRANTY PERIOD (IN YEARS)	LIFETIME*	8	6	5	3	5	5	5
WARRANTY COVERS	CRACKING & YELLOWING	CRACKING & YELLOWING	CRACKING & YELLOWING	CRACKING & YELLOWING	CRACKING	CRACKING & YELLOWING	CRACKING	CRACKING
ELONGATION	>260	>250	>200	>200	>200	>200	>200	>200
SELF-HEALING COATING THICKNESS (MICRONS)	15	15	15	15	15	15	15	15
TPU FILM THICKNESS (MICRONS)#	150	150	130	130	130	150	150	150
PS ADHESIVE (MICRONS)	30	30	30	30	30	30	30	30
TOTAL PPF THICKNESS (MICRONS) *	195	195	175	175	175	195	195	195
TPU GRADE	ALIPHATIC TPU	ALIPHATIC TPU	ALIPHATIC TPU	ALIPHATIC TPU	ALIPHATIC TPU	ALIPHATIC TPU	ALIPHATIC TPU	ALIPHATIC TPU
SELF-HEALING COAT EFFICIENCY	HEAT ACTIVATED	HEAT ACTIVATED	HEAT ACTIVATED	HEAT ACTIVATED	HEAT ACTIVATED	HEAT ACTIVATED	HEAT ACTIVATED	HEAT ACTIVATED

#Made with USA/Europe based TPU resin
***Possible variation of (+/-) 5%**

PAINT PROTECTION FILM¹



TITANIUM PAINT PROTECTION FILM



Warranty Covered	Thickness (Microns)
Cracking & Yellowing	195

FEATURES

- Self healing property
- Best Gloss Film
- Excellent stain resistance
- Best optical clarity
- Excellent Stretchability
- Easy to install on curved surfaces
- Anti-yellowing property
- Superior Hydrophobic property
- Supreme chemical resistance
- Top-notch mechanical property
- Enhanced Longevity
- Easy to clean

PREMIUM PAINT PROTECTION FILM



Warranty Covered	Thickness (Microns)
Cracking & Yellowing	195

FEATURES

- Self healing property
- High Gloss Film
- Excellent stain resistance
- Excellent optical clarity
- Anti-yellowing property
- Superior Hydrophobic property
- Supreme chemical resistance
- Easy to install on curved surfaces

Hatchback	Sedan	SUV
₹ 83000	₹ 96000	₹ 109000

Luxury	Bike/Scooter
₹ 119000	₹ 25000

*18% GST Extra
*Terms & Conditions Apply

GLAZE PAINT PROTECTION FILM



Warranty Covered	Thickness (Microns)
Cracking & Yellowing	175

FEATURES

- Self healing property
- High Gloss Film
- Excellent stain resistance
- Good optical clarity
- Anti-yellowing property
- Superior Hydrophobic property
- Supreme chemical resistance
- Easy to install on curved surfaces

Hatchback	Sedan	SUV
₹ 73000	₹ 91000	₹ 101000

Luxury	Bike/Scooter
₹ 110000	₹ 23000

*18% GST Extra
*Terms & Conditions Apply

PLUS PAINT PROTECTION FILM



Warranty Covered	Thickness (Microns)
Cracking & Yellowing	175

FEATURES

- Self healing property
- High Gloss Film
- Excellent stain resistance
- Good optical clarity
- Anti-yellowing property
- Superior Hydrophobic property
- Supreme chemical resistance
- Easy to install on curved surfaces

Hatchback	Sedan	SUV
₹ 62000	₹ 73000	₹ 81000

Luxury	Bike/Scooter
₹ 90000	₹ 21000

*18% GST Extra
*Terms & Conditions Apply

PROTECT PAINT PROTECTION FILM



Warranty Covered	Thickness (Microns)
Cracking	175

FEATURES

- Self healing property
- Superior Hydrophobic property
- Supreme chemical resistance
- Easy to install on curved surfaces
- High Gloss Film
- Excellent stain resistance
- Good optical clarity

Hatchback	Sedan	SUV
₹ 54000	₹ 61000	₹ 68000

Luxury	Bike/Scooter
₹ 76000	₹ 18000

*18% GST Extra
*Terms & Conditions Apply

MATTE PAINT PROTECTION FILM



Warranty Covered	Thickness (Microns)
Cracking & Yellowing	195

FEATURES

- Self healing property
- Matte surface appearance
- Excellent stain resistance
- Easy to install on curved surfaces
- Anti-yellowing property
- Superior Hydrophobic property
- Supreme chemical resistance

Hatchback	Sedan	SUV
₹ 101000	₹ 115000	₹ 129000

Luxury	Bike/Scooter
₹ 144000	₹ 29000

*18% GST Extra
*Terms & Conditions Apply

BLACK PAINT PROTECTION FILM



Warranty Covered	Thickness (Microns)
Cracking	195

FEATURES

- Self healing property
- Excellent stain resistance
- Easy to install on curved surfaces
- Best Gloss Film
- Supreme chemical resistance

Hatchback	Sedan	SUV
₹ 101000	₹ 115000	₹ 129000

Luxury	Bike/Scooter
₹ 144000	₹ 29000

*18% GST Extra
*Terms & Conditions Apply

WHITE PAINT PROTECTION FILM



Warranty Covered	Thickness (Microns)
Cracking	195

FEATURES

- Self healing property
- Excellent stain resistance
- Easy to install on curved surfaces
- Best Gloss Film
- Supreme chemical resistance

Hatchback	Sedan	SUV
₹ 101000	₹ 115000	₹ 129000

Luxury	Bike/Scooter
₹ 144000	₹ 29000

*18% GST Extra
*Terms & Conditions Apply