



AUTOARMOR INDIA

SILVER PAINT PROTECTION FILM

Detailed Product Datasheet & Technical Specification



Product	Silver Paint Protection Film (Silver PPF)
Protection Guarantee	7 Years
Finish	Crystal-clear / smooth glossy appearance
Application	Automotive exterior paint protection

Product Overview

AutoArmor Silver PPF is designed to provide reliable paint protection with a smooth glossy finish, helping protect the vehicle against everyday road damage, scratches, stains, stone chips and UV exposure. The film is intended to preserve the appearance and quality of the vehicle's original paint while adding a durable protective layer.

The published product information describes advanced protection technology, a crystal-clear appearance, hydrophobic behavior, self-healing performance and a 7-year protection guarantee.

Key Benefits

Feature	Description
Scratch Resistance	Helps protect painted surfaces from everyday scratches and abrasions.
Stone Chip Protection	Adds a protective layer against road debris and stone-chip impact.
UV Ray Defense	Helps defend the underlying paint from harmful ultraviolet exposure.
Gloss Enhancement	Provides a smooth glossy appearance for a premium finish.
Stain Resistance	Designed to resist staining from everyday contaminants.
Hydrophobic Surface	Published test data reports a 100.50° water contact angle.
Crystal Clear Finish	Transparent film intended to preserve the vehicle's original appearance.
Self-Healing	Published testing reports repair within 10 seconds.
Long-Lasting Durability	Published protection guarantee is 7 years.

Technical Specifications

The following values reproduce the technical specification table published on AutoArmor India's Silver PPF product page. Units, test standards, standard values, test data and result status are retained as published.

Category	Test Item	Equipment	Test Standard	Unit	Standard	Test Data	Result
Structure	Use Layer Thickness	Micrometer	GB/T 6672-2001	μm	180±10	190	Pass
Structure	Release Film Thickness	Micrometer	GB/T 6672-2001	μm	75±3	76	Pass
Structure	RPET Thickness	Micrometer	GB/T 6672-2001	μm	50±3	51	Pass
Mechanical	20 min Initial Peeling Force	Tensile Testing Machine	GB/T 2792-2014	gf/inch	≥1200	1581.568	Pass
Mechanical	24H Peeling Force	Tensile Testing Machine	GB/T 2792-2014	gf/inch	≥1800	1634.46	Pass
Mechanical	Transverse Coating Elongation	Tensile Testing Machine	GB/T 1040.1	%	≥90	153	Pass
Mechanical	Transverse Elongation	Tensile Testing Machine	GB/T 1040.1	%	≥150	369.12	Pass
Mechanical	Transverse Tensile Strength at Break	Tensile Testing Machine	GB/T 17657-2013	MPa	≥15	27.45	Pass
Mechanical	Longitudinal Coating Elongation	Tensile Testing Machine	GB/T 1040.1	%	≥90	156	Pass
Mechanical	Longitudinal Elongation	Tensile Testing Machine	GB/T 1040.1	%	≥150	385.89	Pass
Mechanical	Longitudinal Tensile Strength at Break	Tensile Testing Machine	GB/T 17657-2013	MPa	≥15	26.52	Pass
Puncture	Displacement	Puncture Resistance Tester	QC/T 1171-2022	mm	≥10	14.74	Pass
Puncture	Maximum Force	Puncture Resistance Tester	QC/T 1171-2022	gf	≥1000	1925.08	Pass
Puncture	Puncture Resistance	Puncture Resistance Tester	QC/T 1171-2022	MPa	≥50	101.49	Pass
Water Contact	Contact Angle	Water Contact Angle Tester	GB/T 30693	°	≥90	100.50	Pass
Special	Self-Healing Property	Repair within 10 Seconds	QC/T 1171-2022	S	OK	OK	Pass
Stain	Stain Resistance	Tester	QC/T 1171-2022	/	Minor	A	Pass
Appearance	Color	Sample	/	/	Transparent	Transparent	Pass
Appearance	Visual Inspection	QC/T 1171-2022	/	/	Qualified	OK	Pass

Technical-data note: The published table lists the 24H Peeling Force standard as ≥1800 gf/inch, test data as 1634.46 gf/inch, and the result as "Pass." This document reproduces that published entry without independently validating or changing it. For certification, tender or regulatory use, obtain the manufacturer's original laboratory report/COA.

Coverage / Application Options

Coverage Option	Published Coverage
Partial Front Protection	Partial front hood and fenders
Front Bumper	Front bumper coverage
Mirror Protection	Side mirrors
High-Contact Areas	Door edge guards, trunk ledge and door cups
Full Front Coverage	Full front-area protection package
Full Vehicle Coverage	Full exterior vehicle coverage

Installation & Finish

AutoArmor states that its expert installation team provides precision fitting and seamless application for maximum protection and premium finish quality. Professional installation is recommended to achieve the intended appearance, coverage and edge finishing.

Warranty / Protection Guarantee

Published protection guarantee: 7 Years. Specific warranty terms, exclusions, maintenance requirements, installation conditions and claim procedures should be confirmed directly with AutoArmor India before sale or installation.

Contact AutoArmor India

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Source: AutoArmor India — Silver PPF product page: https://www.autoarmorindia.com/silver_product.php

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