



AUTOARMOR INDIA

DIAMOND PAINT PROTECTION FILM

Detailed Product Datasheet & Technical Specification



Product	Diamond Paint Protection Film (Diamond PPF)
Positioning	Ultimate Luxury Protection & Elite Performance
Protection Guarantee	15 Years
Film Type	Cast TPU
Total Thickness	210 Micron

Product Overview

AutoArmor Diamond PPF is presented as the company's most premium paint protection solution, engineered for maximum durability, crystal-clear gloss and ultimate surface defense. The official product page describes next-generation self-healing technology designed to protect against scratches, stone chips, stains, UV rays and harsh environmental damage while maintaining an ultra-luxury showroom finish.

Diamond PPF is positioned for luxury and high-end vehicles where protection, clarity and visual perfection are priorities. Its advanced multi-layer protection technology is described as providing exceptional clarity, deep gloss enhancement and long-term durability, together with an ultra-hydrophobic surface.

Key Benefits

Feature	Benefit
Extreme Long-Lasting Durability	Designed for long-term paint preservation with a published 15-year protection guarantee.
Next-Gen Self-Healing Technology	Published specification states instant self-healing ability.
Maximum Scratch Resistance	Helps defend the vehicle's painted surface from everyday scratches and surface damage.
Heavy Stone Chip Protection	Provides a protective film layer against road debris and stone-chip impact.
Advanced UV & Heat Defense	Designed to help protect paint from UV and heat-related environmental exposure.
Ultra Hydrophobic Surface	Published hydrophobic angle specification is $\geq 110^\circ$.
Deep Crystal Gloss Finish	Designed to deliver an ultra-high gloss, premium showroom appearance.
High Clarity Transparent Film	Transparent film designed to preserve the original paint appearance.

Warranty / Protection Guarantee

Published protection guarantee: 15 Years. The official Diamond PPF page states 15 Years Protection Guarantee. Specific warranty terms, exclusions, maintenance requirements, installation conditions and claim procedures should be confirmed directly with AutoArmor India before sale or installation.

Technical Specifications

The following specifications are reproduced from the current AutoArmor India Diamond PPF product page. Values and units are presented as published by AutoArmor.

Specification	Published Value
Film Type	Cast TPU
Film Thickness	210 Micron
Adhesive Thickness	20 Micron
Release Film Thickness	76 Micron
Total Thickness	210 Micron
Tensile Strength	≥ 22 MPa
Elongation at Break	≥ 360%
Peel Strength	≥ 14 N/mm
Self-Healing Ability	Instant
Hydrophobic Angle	≥ 110°
Gloss Level	Ultra High
UV Block Protection	≥ 99%
Temperature Resistance	-50°C to +130°C

What the Specifications Mean

Cast TPU: A premium thermoplastic polyurethane film construction used for high-performance paint protection applications.

210 Micron Total Thickness: A substantial film thickness intended to provide a robust protective layer over the vehicle's paint.

≥360% Elongation at Break: Indicates high stretch capability, useful for conforming the film around curved automotive body panels when professionally installed.

≥110° Hydrophobic Angle: Indicates a strongly water-repellent surface characteristic according to the published specification.

≥99% UV Block Protection: The manufacturer's published specification for UV blocking performance.

-50°C to +130°C Temperature Resistance: The published operating/resistance range for the film.

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 Quality

The official page states that Diamond PPF is installed by certified AutoArmor experts using precision-cut application techniques for seamless edge-to-edge protection and luxury finish quality. Professional installation is important for achieving the intended appearance, edge finishing and coverage.

Premium Product Positioning

Diamond PPF is positioned as AutoArmor's top-tier solution for luxury and high-end vehicles. Its published feature set emphasizes maximum durability, next-generation self-healing, heavy stone-chip protection, advanced UV and heat defense, ultra-hydrophobic behavior, deep crystal gloss and high optical clarity.

Contact AutoArmor India

AUTOARMOR INDIA

DIAMOND PAINT PROTECTION FILM | DIAMOND PPF

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Official product source: https://www.autoarmorindia.com/diamond_product.php

Note: The request supplied the Gold PPF URL, but the requested product is DIAMOND PAINT PROTECTION FILM. Accordingly, the technical and product information in this PDF is taken from AutoArmor India's dedicated Diamond PPF page, which is the relevant source for the requested product.

This document is prepared as product information/marketing material from the manufacturer's published data. It is not an independent laboratory certificate or third-party verification.