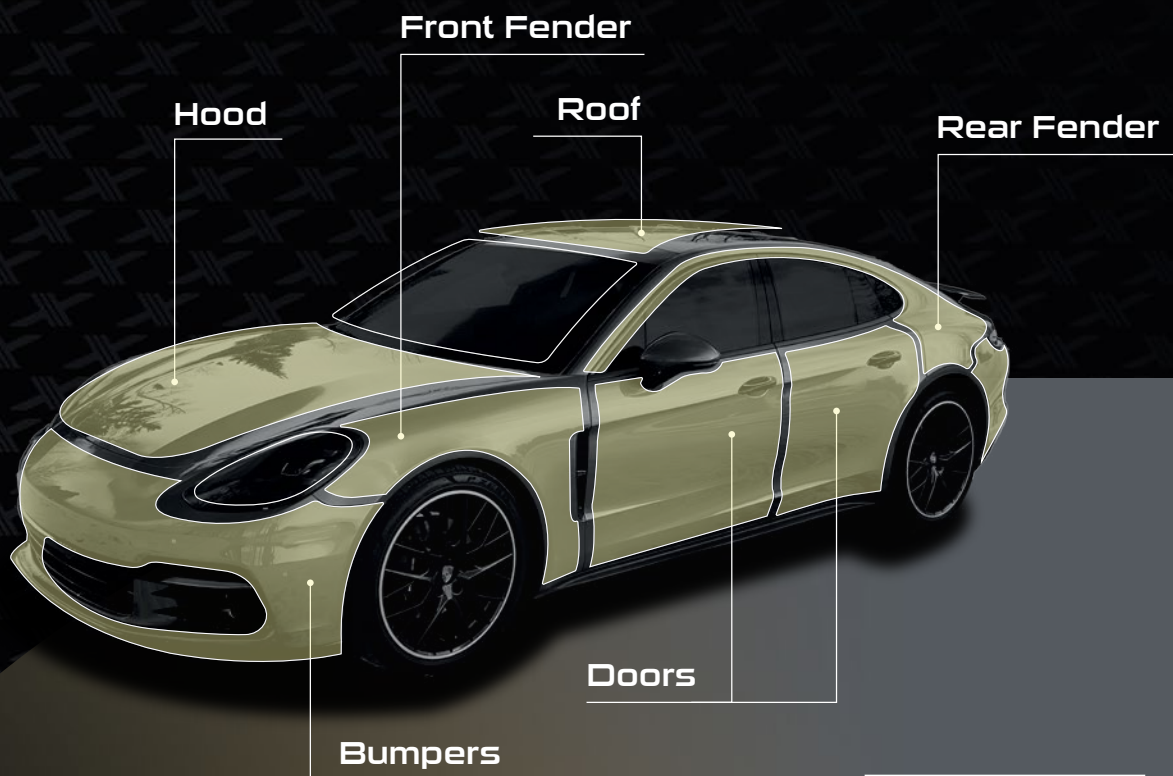


FlexiShield

Paint Protection Film

www.FlexiShield.com



What is Paint Protection Film?

Paint Protection Film (PPF) is a soft film material made from **thermoplastic polyurethane (TPU)**. Paint Protection Film is specifically cut to fit the make and model of any car - using FlexiShield's RAP 2.0 software - and is applied to the car exteriors and sometimes interiors. TPU is incredibly tough and durable, and possesses a "self-healing" property that allows it to return to its original shape when stretched, distressed, or scratched.

PPF can also be designed to be **water repellent, stain resistant, and transparently glossy or satined**. PPF can maintain and increase the value of a vehicle, not only by protecting its paint and finishings, but also by enhancing the appearance of the vehicle's surface.

Because of its superior technology and in-house manufacturing FlexiShield is the ultimate choice in Paint Protection Film, and remains the established preference for the most demanding car owners and installers.

A brand of:



FFS

COVERAGE YOU CAN COUNT ON!



100% US manufactured,
developed and tested under the
blazing Arizona sun.

FlexiShield STH

FlexiShield's mass-market PPF solution

Because premium protection doesn't need to come at a high price, FlexiShield's STH PPF is a 7.5mil (191µ) thick film engineered and tested for ease of installation and an optimum price-to-performance value on standard vehicles, vessels, and furniture.



High-grade film at a competitive price.



Built with materials selected for their optimum price-to-performance value.



Great protection and gloss.

With a 10-year warranty on automotive applications, FlexiShield STH will protect private and commercial vehicles throughout their entire expected service-life. It is invulnerable to yellowing, fading, and cracking, and will retain its self-healing properties and gloss in all weather and road conditions.

7.5mil (191µ) TPU
Glossy
10-year warranty

STH SPECIFICATIONS

Total Thickness	7.5 mil (191 µ)*	PCE Thickness Gauge
Top Coat	0.5 mil (13 µ)	
Polyurethane Film	6.0 mil (153 µ)*	
Adhesive	1.0 mil (25 µ)	

UV Accelerating Test - 3000 Hours, 105°F - Pass (Equivalent to 5 years)

TPU Haze (Clarity) Δ	1.60 %	ASTM D1003-1 Original 0.8
Yellowing Δ	< 1.80 %	ASTM D1925-70
Self Healing Δ	Pass	Lab Testing
Cold Slam - Cracking or Peeling	Pass	TPJLR.52.055
Elongation (at break MD)	>340 %	ASTM 6775-13
Stain Resistance (Unleaded gasoline, Kerosene)	No cosmetic defects	Lab Testing
20° Gloss (Stainless steel surface)	>96 GU	Gloss Meter 20°
Chip Resistance Gravelometer	No damage on paint	ASTM D3170

Adhesion Performance

Peel Adhesion 180 Degree Peel 1.0 mil coating Paint Surface	449.0 N/m	41 oz/in	20 minutes at room temperature
	481.0 N/m	44 oz/in	24 hours at room temperature
	514.0 N/m	47 oz/in	1 week at room temperature
	689.0 N/m	63 oz/in	1 week at 160°F/70°C
	765.0 N/m	70 oz/in	1 week at 95°F/ 35°C, 95% RH

* Thickness tolerance: Maximum +/- 8%. Data provided by TPU manufacturer.

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Total Quality. Assured.



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STH

