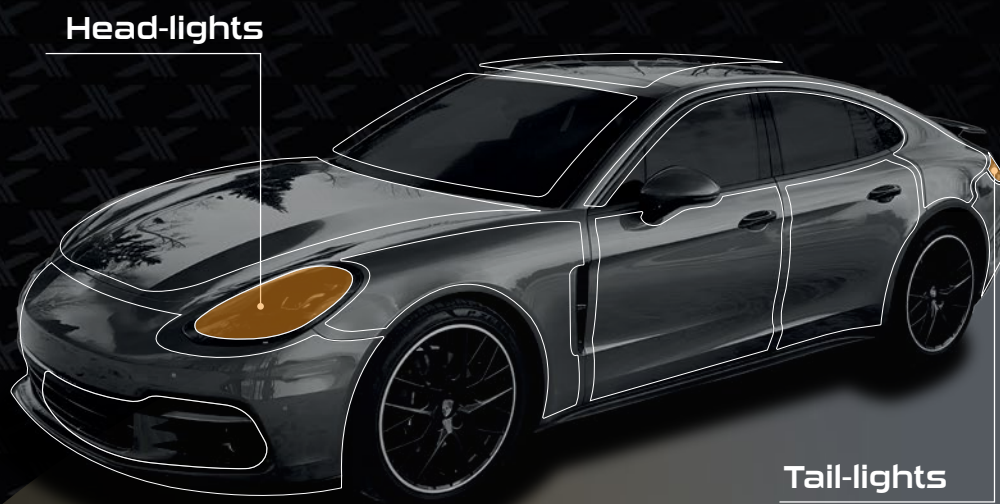


FlexiShield

Paint Protection Film

www.FlexiShield.com



What is Headlight Protection Film?

Head-light (and Tail-light) Protection Film is a soft film material made from light-transmitting **thermoplastic polyurethane (TPU)**. Headlight Protection Film is cut and molded to the specific shape of your vehicle's lights. 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.

Headlight Protection Film is designed to be **extremely water repellent (hydrophobic), stain resistant, and minimally disruptive of light transmission**. Due to these properties, Headlight Protection Film can protect your head-lights and tail-lights from stone impacts and scratches, as well as from the yellowing and matting effects of solar and chemical exposure over time.

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

A brand of:



COVER-AGE YOU CAN COUNT ON!



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

FlexiShield HDL

Headlight performance meets luxury

FlexiShield's HDL headlight protection film provides a light, sporty shade to your head- and tail-lights, while minimally affecting their intensity, contrast, and color temperature. With a thickness of 6.5mil (165 μ), and a 100% TPU composition, FlexiShield HDL protects your lights from impact and scratch marks, while also virtually eliminating fading and yellowing caused by solar or chemical exposure.



Minimum light interference



Perfect match
between elegance and
performance



Protection from impact,
scratching, and fading

Available in 35% and 50% Visible Light Transmittance (VLT), and featuring a warm gray tone, FlexiShield HDL adds the perfect combination between racing performance and luxury, providing the final aesthetic touch to your car, while protecting your lights from the hazards of the road.

6,5mil (165 μ) TPU
Light-transmitting
3-year warranty

HDL SPECIFICATIONS

Total Thickness	6.5 mil (165 μ)	PCE Thickness Gauge
Top Coat	0.5 mil (13 μ)	
Polyurethane Film	5.0 mil (127 μ)	
Adhesive	1.0 mil (25 μ)	

UV Accelerating Test - 3000 Hours, 120°F - Pass (Equivalent to 5 years)

TPU Haze (Clarity) Δ	1.6%	ASTM D1003-1 Original 0.8
Yellowing Δ	<1.2%	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.

FlexiShield USA HQ & Manufacturing

+1 (866) 312 9909

FlexiShield EU Distribution Office

+31 6 3458 3582

FlexiShield ME Distribution Office

+971 50 555 4246

www.FlexiShieldUSA.com
contact@reflektech.com
280 N Roosevelt Ave
Chandler AZ 85226 USA

www.FlexiShieldEU.com
salesEU@reflektech.com
Marconistraat 70H
Gouda 2809PE NL

www.FlexiShieldME.com
salesME@reflektech.com
WH 36/D 06 ABA Avenue
Al Gouz 02, Dubai, UAE

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Total Quality. Assured.



SGS



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HDL