

FlexiShield

Paint Protection Film

www.FlexiShield.com



What is Windshield Protection Film?

Windshield Protection Film is a soft film material made from optical-grade **thermoplastic polyurethane (TPU)**. Windshield Protection Film is cut to the shape of your windshield. 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.

Windshield Protection Film is designed to be **impact resistant, extremely water repellent (hydrophobic), stain resistant, and optically transparent**. Due to these properties, Windshield Protection Film can improve your visibility, specially during rainy weather conditions, while protecting your windshield from stone, road debris, and hail impact and scratches.

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

A brand of:



OFFER

COVERAGE YOU CAN COUNT ON!



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

FlexiShield DFR Pro

Protecting your windshield from
the road

DFR Pro is FlexiShield's newly-released, 100% TPU windshield protection film. At 5.0mil (128 μ) thickness, and produced with an extra-hard topcoat entirely free of orange peel, FlexiShield DFR Pro is the most optically transparent, hydrophobic, and easy-to-install windshield protection film on the market *.



Impact & Shatter Protection

Reinforces windshields to resist chips, cracks, and glass shattering from road debris.



Ultra-Clear Transparency

5.0mil (128 μ) optical-grade TPU with no orange peel for a distortion-free view.



Hydrophobic Surface

Repels water, dirt, and contaminants for safer driving in all weather conditions.



Easy Installation & Maintenance

Designed for fast and clean application with no pre- or post-heating needed.

FlexiShield DFR is available in Optical and Regular transparency levels. Optical grade is recommended for high performance cars, while Regular grade will provide full protection and incredible transparency for all standard and commercial vehicles.

* For best results, a PPF-dedicated ceramic coating must be applied to the film after installation, and thereafter every 6 months.

5,0mil (128 μ) TPU
Optical transparency
12-month warranty

DFR PRO SPECIFICATIONS

Total Thickness	5.0 mil (128 μ)	PCE Thickness Gauge
Top Coat	0.5 mil (13 μ)	
Polyurethane Film	4.0 mil (102 μ)	
Adhesive	0.5 mil (13 μ)	

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

DFR PRO	Optical	Lite	
TPU Haze (Clarity) Δ	0.8%	1.4%	ASTM D1003-1 Original 0.8
Yellowing Δ	<0.9%	<0.9%	ASTM D1925-70
Self Healing Δ	Pass	Pass	Lab Testing
Cold Slam - Cracking or Peeling	Pass	Pass	TPJLR.52.055
Elongation (at break MD)	>275%	>260%	ASTM 6775-13
Stain Resistance (Unleaded gasoline, Kerosene)	No cosmetic defects	No cosmetic defects	Lab Testing
20° Gloss (Stainless steel surface)	6H	6H	Gloss Meter 20°
Chip Resistance Gravelometer	No Penetration	No Penetration	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.



SGS



AMERICAN
SOCIETY OF
INTERIOR
DESIGNERS

INTERNATIONAL
WINDOW FILM
ASSOCIATION



NGA
NATIONAL GLASS ASSOCIATION



ISO 9001



DFR PRO