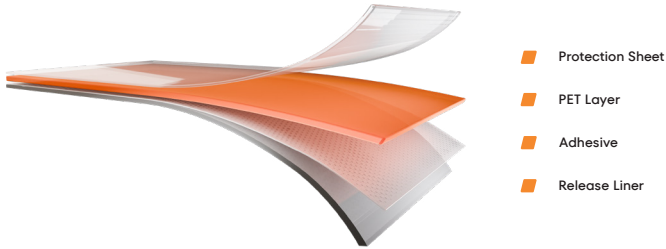


# WINDSHIELD PROTECTION FILM WPF01

PROTEKTOR WPF01 is a high-performance windshield protection film designed to protect automotive glass against impact damage caused by road debris and environmental exposure. The film acts as a protective barrier, absorbing impact energy from stones and debris, reducing the risk of chips, cracks and surface pitting. Its optically clear polyester construction maintains full visibility while providing enhanced durability, hydrophobic performance and UV protection



## Instructions

PROTEKTOR ARMORSHIELD™ films are compatible with all automotive glass surfaces, provided the substrate is perfectly smooth and non-porous. To ensure optimal bonding and prevent application failures, the glass must be entirely free from contaminants such as grease, oil, wax, or silicone.

Recommended room temperature for material installation is 22°C ± 4°C.

## TECHNICAL SPECIFICATION

### Physical Properties

Characteristic	Specification
Substrate Material	Transparent
Thickness of Base film	100 microns (4 mil)
Total Thickness	120 microns (4.5 mil)
Base Film Material	Polyester (PET)
Top Coating	Hydrophobic
Adhesive Type	Acrylic Pressure Sensitive

### Product Characteristic

Characteristic	Result / Standard	Test Method
Visible Light Transmittance (VLT)	88%	Excellent stability
UV Rejection (UVR)	95%	UV Resistant
Shrinkage	< 0.1%	
Tensile Strength	~234 MPa	ASTM D882
Elongation (substrate/adhesive)	> 400%	
Elongation (top coat)	> 300%	

### 180° Peel Adhesion (Tested on Stainless Steel)

Test Condition	Result (Metric)	Result (Imperial)
20 minutes at room temperature	400 N/m	3.4 lb/in
48 hours at room temperature	700 N/m	4.0 lb/in
168 hours at 35°C / 95°F @ 100% RH	700 N/m	4.0 lb/in

### Stain Resistance

Contaminant	Result
Unleaded gasoline, Diesel fuel, Motor Oil	No discoloration

### Natural Weathering (Arizona Exposure)

Exposure Time & Condition	Result
24 months at 45°C south-facing Arizona exposure	No cracking or dulling; No discoloration
48 months at 45°C south-facing Arizona exposure	No cracking or dulling; Slight discoloration

### Shelf Life

One year from date of receipt by customer when stored in original packaging at 22±4°C and at a maximum moisture of 50% RH.