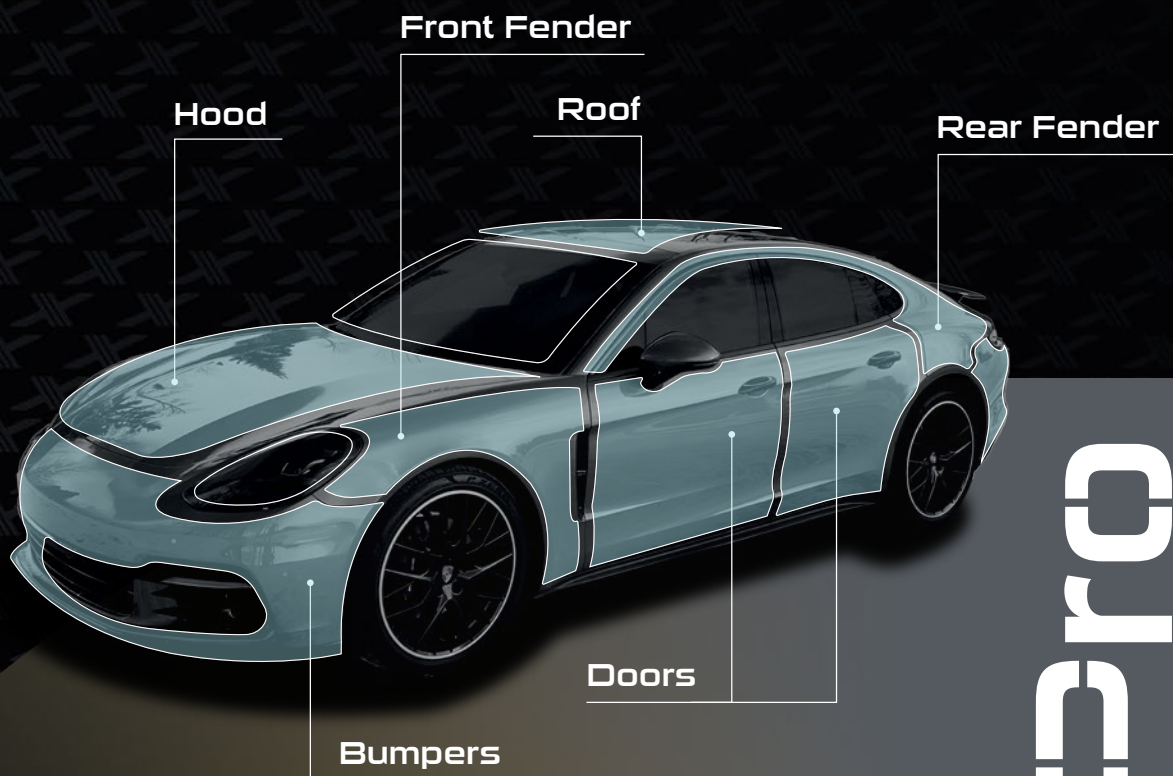


# FlexiShield

Paint Protection Film

[www.FlexiShield.com](http://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:



# WST-Pro

COVERAGE YOU CAN COUNT ON!



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

# FlexiShield WSH Pro

## FlexiShield's top line clear Paint Protection Film

At 8.5mil (216µ) thickness, WSH-Pro is one of the thickest PPF's on the market. Its hyper-glossy surface finishing will satisfy the wishes of the most demanding customers, while its well-balanced adhesive and precisely-engineered flexibility facilitates the perfect install each and every time.



Unparalleled top-coat  
gloss.



Perfectly-balanced  
adhesive and film  
flexibility.



Premium thickness and  
transparency.

FlexiShield Paint Protection products are self-healing and heat curable because of a flexible component in the thermoplastic polyurethane (TPU) film. WSH Pro is thicker than its standard counterpart, offering an industrious enhancement to the incredible protection you can already expect from FlexiShield's diverse product array.

8.5mil (216µ) TPU  
Hyper-glossy  
12-year warranty

## WSH PRO SPECIFICATIONS

|                   |                  |                           |
|-------------------|------------------|---------------------------|
| Total Thickness   | 8.5 mil (216 µ)* | PCE<br>Thickness<br>Gauge |
| Top Coat          | 0.5 mil (13 µ)   |                           |
| Polyurethane Film | 7.0 mil (178 µ)* |                           |
| Adhesive          | 1.0 mil (25 µ)   |                           |

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

|                                                   |                     |                           |
|---------------------------------------------------|---------------------|---------------------------|
| TPU Haze (Clarity) Δ                              | 1.00 %              | ASTM D1003-1 Original 0.8 |
| Yellowing Δ                                       | < 0.80 %            | ASTM D1925-70             |
| Self Healing Δ                                    | Pass                | Lab Testing               |
| Cold Slam -<br>Cracking or Peeling                | Pass                | TPJLR.52.055              |
| Elongation (at break MD)                          | >360 %              | ASTM 6775-13              |
| Stain Resistance<br>(Unleaded gasoline, Kerosene) | No cosmetic defects | Lab Testing               |
| 20° Gloss<br>(Stainless steel surface)            | >96 GU              | Gloss Meter 20°           |
| Chip Resistance<br>Gravelometer                   | No damage on paint  | ASTM D3170                |

### Adhesion Performance

|                                                                      |           |          |                                |
|----------------------------------------------------------------------|-----------|----------|--------------------------------|
| Peel Adhesion<br>180 Degree Peel<br>1.0 mil coating<br>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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intertek  
Total Quality. Assured.



SGS



AMERICAN  
SOCIETY OF  
INTERIOR  
DESIGNERS

INTERNATIONAL  
WINDOW FILM  
ASSOCIATION



NGA  
NATIONAL GLASS ASSOCIATION



# WSH Pro