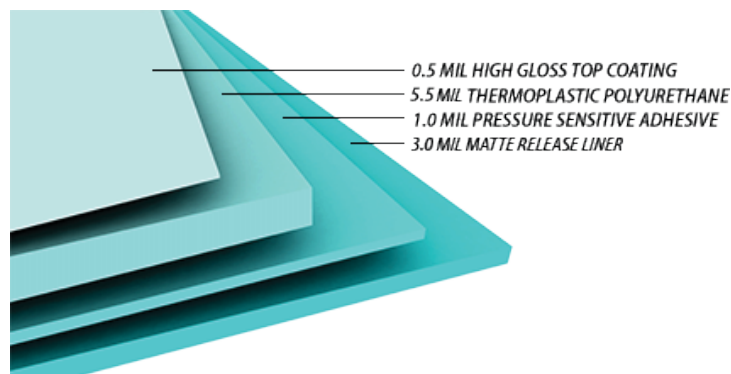


## PRODUCT SHEET

### FLEXISHIELD STH

FlexiShield Paint Protection products are self-healing and heat curable because of a flexible component in the film, thermoplastic polyurethane (TPU). This class of films have many chemically enhanced properties including elasticity, transparency, and stain and abrasion resistance. A combination of hard and soft co-polymers reacts to rebind and retain their shape causing these films to reseal and heal themselves.



### MAKE YOUR PAINT A PRIORITY

- SELF-HEALING**

The ability to heal is an advanced feature inside the film's coating called thermoplastic polyurethane (TPU), a flexible thermoplastic layer that can self-heal once damage occurs. Slight abrasions, scratches or outdoor hazards can be averted with this advanced chemical property.

- GLOSSY**

As light passes through the film it illuminates the paint color giving it a shiny glazed appearance. Silicone elements in the substrate also enhance the original paint producing a smooth high-gloss finish.

- HYDROPHOBIC**

The water resistant top coat prevents rain and other liquids from resting on the vehicle's paint, potentially causing rust or a loss of luster and brilliance.

Testing Standard		
Thickness Total	7.0 mil	
Top Coating	0.5 mil	PCE Thickness Gauge
TPU	5.5 mil	
Adhesive	1.0 mil	
UV Acceleration	3000 Hours, 105 F - Pass	
TPU Haze Δ	1.6%	ASTM E1003-13 Original 0.8
Yellowing Δ	<1.8%	ASTM D1925-70
Self Healing Δ	Pass	Lab Testing
Elongation	>380%	ASTM 6775-13
Cold Slam	No Cracking or Peeling	TPJLR.52.05.5
Stain Resistance	No Cosmetic Defects	Lab Testing
20 Degree Gloss	>78 GU	Gloss Meter 20 Degree
Chip Resistance	No Damage on Paint	ASTMD3170
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	1 week at room temperature



Industrial-Grade Protection with Enhanced Thickness and a 7-Year Warranty

FlexiShield DPH (Deep Protection Hazard) Paint Protection Film is engineered for vehicle owners who demand unparalleled toughness in the face of harsh environments. With its enhanced thickness, this film offers superior durability, standing up to extreme wear and tear, making it ideal for industrial applications.

Choose FlexiShield DPH for a paint protection solution that delivers industrial-strength durability and everyday reliability. It's not just a protective layer; it's a fortress for your vehicle against the extremes.

## FEATURES

### **Enhanced Thickness for Superior Protection:**

FlexiShield DPH is significantly thicker than standard films, providing robust protection against impacts, scratches, and severe weather conditions.

### **Exceptional Durability:**

This film is designed to resist harsh chemicals, gravel strikes, and road salt, preserving the integrity and aesthetics of your vehicle's paint.

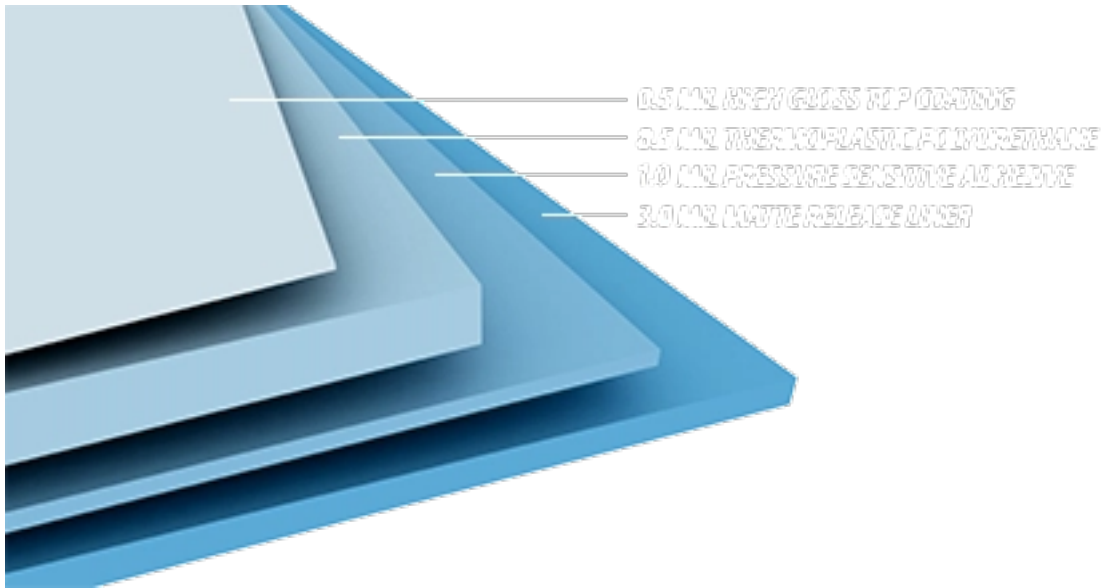
### **Crystal-Clear Finish:**

Equipped with advanced coating technology, DPH ensures a clear, distortion-free appearance that enhances the original paintwork while offering maximum protection.

### **7-Year Warranty:**

Backed by a solid 7-year warranty, FlexiShield DPH demonstrates our commitment to quality and your vehicle's long-term protection.

## FlexiShield® DPH Series - Technical Datasheet



### TECHNICAL SPECIFICATIONS

<b>Total Thickness:</b>	7.0 mil
<b>Top Coating:</b>	0.5 mil
<b>TPU Layer:</b>	5.5 mil
<b>Adhesive:</b>	1.0 mil
<b>UV Acceleration:</b>	3000 Hours at 105°F - Pass
<b>Haze (ASTM E1003-13):</b>	Delta 1.6%
<b>Yellowing (ASTM D1925-70):</b>	< 1.8%
<b>Self-Healing:</b>	Pass
<b>Elongation (ASTM 6775-13):</b>	> 380%
<b>Cold Slam:</b>	No Cracking or Peeling
<b>Stain Resistance:</b>	No Cosmetic Defects
<b>Gloss (20°):</b>	> 78 GU
<b>Chip Resistance (ASTM D3170):</b>	No Damage on Paint
<b>Peel Adhesion (180°):</b>	Up to 514.0 N/m (after 1 week)