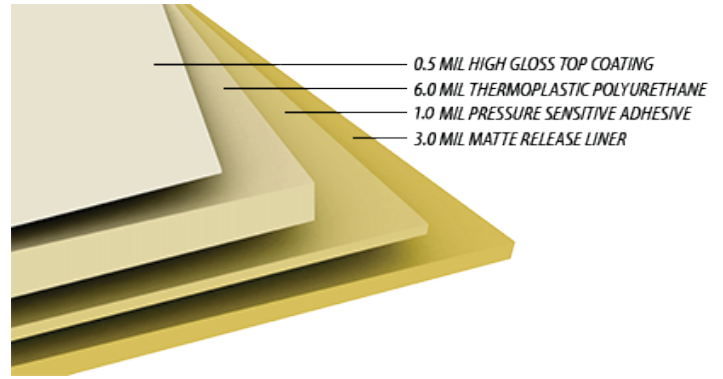


PRODUCT SHEET

WEATHER SAFETY HAZARD (WSH)

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.



A TOUGH DEFENSE AGAINST THE HARSH ROAD

- 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.

	WSH	Testing Standard
Thickness Total	7.5 mil	
Top Coating	0.5 mil	PCE Thickness Gauge
TPU	6.0 mil	
Adhesive	1.0 mil	
UV Acceleration	3000 Hours, 105° F - Pass	
TPU Haze (Clarity) Δ After 3000 Hours	1.2%	ASTM D1003-13 Original 0.8
Yellowing Δ After 3000 Hours	< 1.2%	ASTM D1925-70
Self Healing Δ After 3000 Hours	Pass	Lab Testing
Elongation	350%	ASTM 6775-13
Cold Slam	No Cracking or Peeling	TPJLR.52.055
Stain Resistance	No Cosmetic Defects	Lab Testing
20 Degree Gloss	> 78 GU	Gloss Meter 20 Degree
Chip Resistance	No Damage on paint	ASTM D3170
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