

FlexiShield

Paint Protection Film

www.FlexiShield.com

What is Cosmetic Paint Protection Film?

Paint Protection Film (PPF) is a soft film material made from **thermoplastic polyurethane (TPU)**. 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. FlexiShield's Cosmetic PPF integrates a layer of genuine auto-paint resin, which provides the unique color depth of original car-paint, together with the exceptional **water repellent, stain- and scratch-resistant properties of FlexiShield's premium PPF.**



CL | Clear Coat



HG | High Glitter



DM | Color Flip



SP | Special Styles



TP | Texture Pattern



A brand of:



COVERS THE MOST

COVERAGE YOU CAN COUNT ON!

For our latest color catalogue visit:

www.FlexiShieldEU.com

www.FlexiShieldUSA.com

www.FlexiShieldME.com



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

FlexiShield COSMETIC

FlexiShield Cosmetic - The state-of-the-art in Color PPF

Since 2020, FlexiShield's breakthrough in dry-apply, auto-paint-resin-integrating, full-TPU Cosmetic PPF technology has rendered it the global leader in color-changing PPF for the most demanding customers. Ranging from 7.5 to 8.5mil (191-216 μ) thicknesses, FlexiShield's Cosmetic PPF is currently available in nearly 100 unique and exclusive colors, both glossy and satin. From flat shades to high-metallic, pearlescent color-changing, and rainbow textures, there is a dream choice for everyone in FlexiShield's color catalogue.



Unique finishing and color depth.



Constantly expanding color & finishing range.



Full 100% TPU PPF protection.



Resistant to fading under all weather conditions.

FlexiShield Cosmetic Paint Protection products are made with 100% TPU, with an integrated welded layer of authentic auto-paint resin for the unmistakable color depth and shimmer of genuine car paint. FlexiShield's Cosmetic PPF features the same premium TPU top-coat as our clear PPF's, and provides the same unparalleled protection, self-healing, and hydrophobicity as its clear counterparts.

7.5-8.5mil (191-216 μ) TPU
Glossy/Satin
5-year warranty

COSMETIC PPF SPECIFICATIONS

Color Category	CL	HG	DM	SP	TP
Total Thickness	7.5 mil (191 μ)	8.0 mil (203 μ)	8.5 mil (216 μ)	8.0 mil (203 μ)	8.5 mil (216 μ)
Top Coat	0.5 mil (13 μ)				
TPU Top Film	2.75 mil (70 μ)				
Auto-paint Resin	0.5 - 1.5 mil (12 - 38 μ)				
TPU Base Film	2.75 mil (70 μ)				
Adhesive	1.0 mil (25 μ)				
UV Accelerating Test - 3000 Hours, 120°F - Pass (Equivalent to 5 years)					
TPU Haze (Clarity) Δ	1.0%	ASTM D1003-1 Original 0.8			
Yellowing Δ	<0.8%	ASTM D1925-70			
Self Healing Δ	Pass	Lab Testing			
Cold Slam - Cracking or Peeling	Pass	TPJLR.52.055			
Elongation (at break MD)	>340%	ASTM 6775-13			
Stain Resistance (Unleaded gasoline, Kerosene)	No cosmetic defects	Lab Testing			
20° Gloss (Stainless steel surface)	>96 GU	Gloss Meter 20°			
Chip Resistance Gravelometer	No damage on paint	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.

FlexiShield USA HQ & Manufacturing

+1 (866) 312 9909

FlexiShield EU Distribution Office

+31 6 3458 3582

FlexiShield ME Distribution Office

+971 50 555 4246

www.FlexiShieldUSA.com
contact@reflektech.com

280 N Roosevelt Ave
Chandler AZ 85226 USA

www.FlexiShieldEU.com
salesEU@reflektech.com

Marconistraat 70H
Gouda 2809PE NL

www.FlexiShieldME.com
salesME@reflektech.com

WH 36/D 06 ABA Avenue
Al Qouz 02, Dubai, UAE

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Total Quality. Assured.



SGS



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ISO 9001
CERTIFIED



COSMETIC