

VUNYX® SHIELD PRO PLUS FILM

7 Years Warranty



Technical Data Sheet

Vunyx® Shield Pro Plus Film

Shield Pro Plus is engineered for professionals who demand the highest clarity, durability, and long-term value in a paint protection film. Built using German BASF TPU resin, this film delivers unmatched optical clarity, exceptional impact resistance, and long-lasting non-yellowing performance. Designed to withstand real-world conditions, Shield Pro Plus protects against scratches, rock chips, UV damage, chemical exposure, and harsh weather, all while maintaining a deep, glossy finish that enhances the vehicle's appearance.

Why Installers Choose Shield Pro Plus:

- Premium TPU Construction**
 Made with 150 µm BASF TPU, the film offers superior elasticity and strength, making installations smoother and more precise. Its multi-layer structure includes a durable topcoat (10-15 µm) and a clean-removable 25 µm adhesive layer, ensuring stability and long-term clarity.
- Heat-Activated Self-Healing**
 Light scratches, swirl marks, and minor surface imperfections heal instantly with heat exposure, keeping the surface fresh and glossy year-round.
- Ultra-Gloss Finish**
 With gloss readings above 93 GU, Shield Pro Plus enhances paint depth and shine, giving vehicles a high-end showroom look.
- Extreme Durability & Non-Yellowing**
 Tested through 2000 hours of QUV weathering, gasoline exposure, detergent submersion, and gravel impact tests, the film shows no visual change, proving its reliability in the harshest environments

Installer-Friendly Film

The film's transparent, removable polyacrylate adhesive ensures:

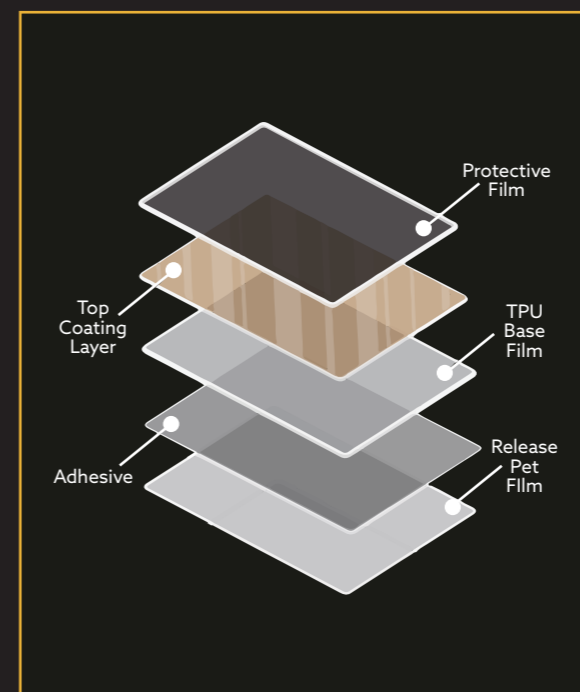
- Faster installation
- Strong initial tack
- Clean repositioning
- No residue on removal

Its flexibility (>350% elongation) makes wrapping curves and complex areas easier and more efficient.

Technical Highlights

- Total thickness: 7.5 mil with adhesive
 - TPU thickness: 150 µm
 - Topcoat: 10-15 µm
 - Adhesive: Ashland polyacrylate, 25 µm
 - Tensile strength: 23 MPa
 - Finish: Glossy
 - Durability: 7 Years
 - Operating Temperature: -40°C to +100°C
- Shield Pro Plus PPF delivers the perfect combination of beauty and protection, engineered for installers, trusted by car owners.

Shield Pro Plus Film



CHARACTERISTIC	HEAT SELF-HEALING
Characteristic	Heat self healing
Warranty	7 Years
TPU base film	Made by Germany BASF TPU
Performance level	Premium
Size	1.52x15M/ROLL
Color	Glossy
Film thickness	7.5mil(with glue)
TPU base film thickness	150µm
Glue thickness	25µm
Top coating	10µm
Release paper	Matte
Durability	7 Years
Adhesive style	Transparent, Polyacrylate, Removable, Non yellowing.

TEST & RESULTS

PROPERTES	NOMINAL VALUE	ASSESS METHOD
Top Coat thickness	15µm	ASTM D 347
Base ATPU film thickness	150µm	
Acrylic PSA average thickness	25 µm	ASTM D 347
Peel Adhesion average	1410gf/inch@20min	GB/T 2792
	2106gf/inch@24h	
Gloss 60 degree	>93GU	ASTM D 2457
Gravelometer	Pass-no penetration	GM 9508P-02
Elongation@break	>350%	ASTM D 882
Tensile strength	23Mpa	GB/T 1040.1
QUV weathering-2000 hours	No visual change	ASTM G154-16 Circulation 1
Gasoline(60min exposure)	No visual change	
Soap/detergent (60min submersion)	No visual change	

DESCRIPTION	THICKNESS	ROLL SIZE
Product Specification	7.5mil	60"*50'
	7.5mil	40"*100'
	7.5mil	20"*100'

GENERAL CHARACTERISTICS	
Service Temperature Range	-40°F to 212°F (-40°C to 100°C)
Shelf Life	2-Years stored at 70°F (21°C) and 50% RH
Recommended Installation Environment Temperature	15°C – 30°C

Notice: The representation of performance and suitability for use contained in this technical data sheet are meant only as a guide. Since only the user is aware of the specific conditions in which the product is to be used, it is the user's responsibility to determine whether the product is suitable for intended use.

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