



CHARACTERISTICS

- Amber (Yellow) coloration
- 75% visible light transmittance (VLT)
- Super hydrophobic
- Self-healing
- Anti-yellowing
- Anti-contamination

LAYER DESCRIPTIONS

Cap Sheet

Protects film before use

Top Coat

Hydrophobic and scratch-resistant

Base Film

Thermoplastic polyurethane (TPU)

Color Adhesive

Color representation

Adhesive

For easy installation

Liner/RF

Silicone-based liner

APPLICATIONS

For automotive use (other uses may apply).

APPLICATION SURFACE

Flat surfaces, simple curves, and compound curves

APPLICATION METHOD

Paint protection films should be installed within one year from the date of purchase.

Technical Data Sheet

PRODUCT IMAGE

FORCESHIELD Amber is a yellow TPU light protection film (LPF) that maintains the clarity of vehicle headlights while providing exceptional protection.

With its advanced top coating technology, it prevents discoloration and gloss reduction caused by smog, contaminants, road oils, and water spots. Its high impact resistance effectively protects headlights from stone chips, scratches, and car wash brushes.

Additionally, it features outstanding self-healing properties, allowing minor scratches to disappear over time. It also enhances nighttime visibility with a warmer light tone, creating a retro yet sporty aesthetic. Furthermore, it prevents headlight yellowing and strengthens overall protection, ensuring long-lasting durability. Thanks to these features, FORCESHIELD Amber is an excellent choice for drivers who seek both individuality and functionality.

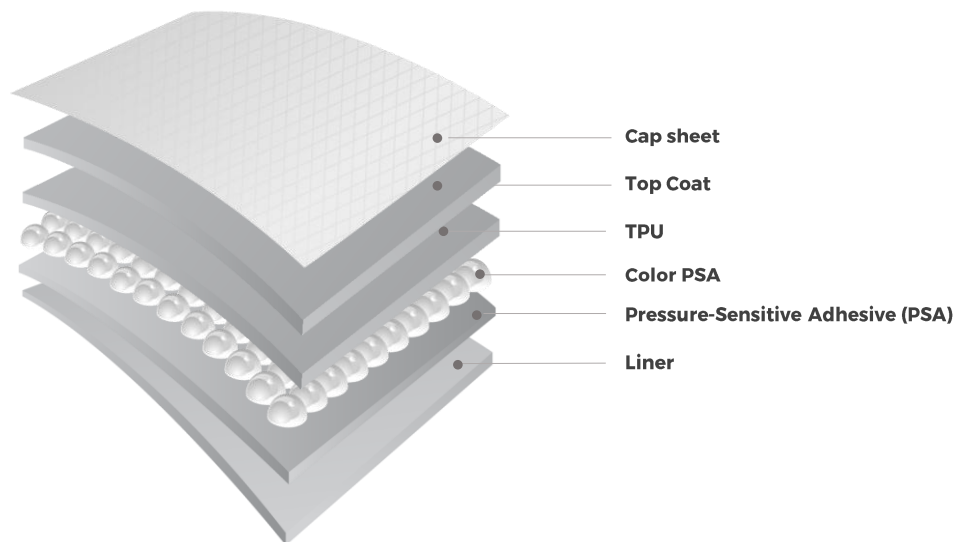
STORAGE INSTRUCTIONS

Recommended Temperature Range: 20±2 °C (68±2 °F)

Recommended Relative Humidity: 40-60%

Avoid extreme temperature ranges in storage. Store the product in its original packaging in a horizontal orientation, away from direct sunlight. Do not place heavy objects on top of the packaging, as this may damage the product.

LAYER STRUCTURE



PROPERTIES

Thickness	200 ± 10 μm	ASTM D6988
Gloss	>90 Gu	ASTM D523
Coating Layer Crack	60 ± 10 mm	ASTM D412
Adhesion (30 min)	2,400 ± 400 gf/inch	ASTM D3330
Adhesion (24 hrs)	3,200 ± 500 gf/inch	
Self-Healing	Super	
Hydrophobicity	Hydrophobic	
Weathering	No change 6500 W Xenon Arc Irradiance: 0.51 W/m ² (340 nm), 65° C Humidity: 50%, R.H. 1000 hrs	

Technical Data Sheet

PACKAGE DIMENSIONS

Box Dimensions

24": 730 x 185 x 180 (mm)

ROLL CONFIGURATIONS

24 in x 50 ft

15 m (610 ±2 mm)

NOTES

All data have been collected by STEK Automotive through internal testing standards and methods. Results may differ when using other testing standards.

Reported values are expected properties and should not be used for product certification.

The provided technical information consists of representative product data and should not be used for specification purposes. Unless otherwise noted, all tests are performed at room temperature.

All concerns regarding warranty and liability are subject to the terms and conditions of sale. When applicable, these terms and conditions are governed by prevailing laws.

Prior to application, the user must determine the suitability of the product for its intended use, and assumes all risk and liability therein.