

STEK® Paint Protection Film Technical Data Sheet



CHARACTERISTICS

- Ultra gloss finish
- Super hydrophobic
- Self-healing
- Anti-yellowing
- Anti-contamination

APPLICATIONS

For automotive use
(other uses may apply).

APPLICATION AREAS

Flat surfaces, simple curves,
and compound curves

APPLICATION METHOD

Paint protection films are to be
professionally installed by trained,
authorized installers.

SHELF LIFE

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

LAYER DESCRIPTIONS

Cap Sheet

Protects film before use

Self-Healing Top Coat

Hydrophobic and scratch-resistant

TPU

High-clarity and impact-resistant

Pressure-Sensitive Adhesive (PSA)

For easy installation

Release Liner

Protects film before use

LAYER THICKNESS

200 ± 10 µm

PRODUCT DESCRIPTION

Our flagship product, DYNOSHIELD is a premium paint protection film offering top-notch performance, durability, and reliability.

DYNOSHIELD's nano-glass top coat is bonded to the film at a molecular level during the manufacturing process, virtually eliminating the need for waxes or after-market top coatings. Hydrophobic and highly damage-resistant, DYNOSHIELD also boasts super self-healing properties and puncture resistance, effectively shielding against surface-level nicks and scratches. Combined with UV-resistant, anti-yellowing adhesives and an ultra gloss finish, our technology results in beautiful, long-lasting protection wherever you go.

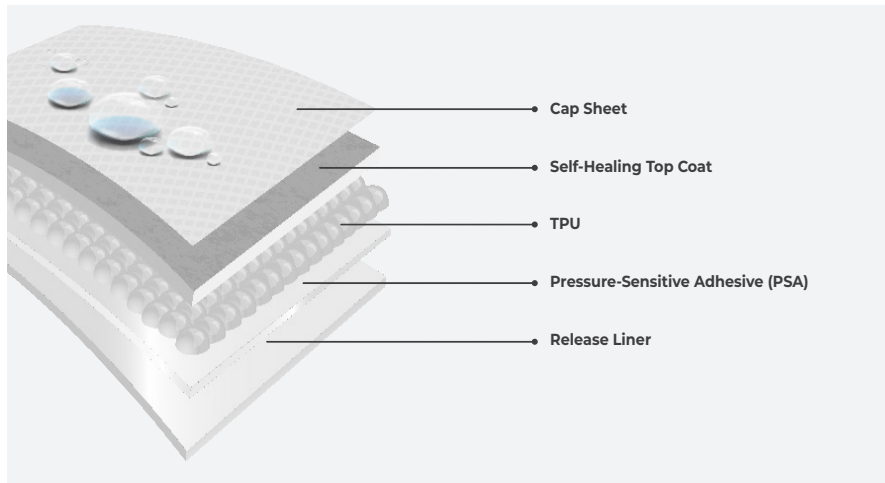
STORAGE INSTRUCTIONS

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.

STRUCTURE



PROPERTIES

| | |
|----------------------------|--|
| Gloss | >90 Gu |
| Self-Healing | Super |
| Coating Layer Crack | >55 mm |
| Adhesion (30 min.) | >1300 |
| Adhesion (24 hrs) | >1700 |
| Hydrophobicity | Super hydrophobic |
| Weathering | No change 6500 W Xenon Arc Irradiance: 0.51 W/m ² (340 nm), 65° C Humidity: 50%, R.H. 1000 hrs |

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PACKAGE DIMENSIONS

Box Size

72": 1830 x 185 x 180 (mm)
60": 1630 x 185 x 180 (mm)
48": 1330 x 185 x 180 (mm)
36": 1030 x 185 x 180 (mm)
30": 870 x 185 x 180 (mm)
24": 730 x 185 x 180 (mm)
18": 570 x 185 x 180 (mm)

ROLL CONFIGURATIONS

| | |
|------------------------|------------------|
| 72 in. x 33 ft | (1830 mm x 10 m) |
| 60 in. x 100 ft | (1524 mm x 30 m) |
| 60 in. x 50 ft | (1524 mm x 15 m) |
| 48 in. x 100 ft | (1220 mm x 30 m) |
| 36 in. x 100 ft | (914 mm x 30 m) |
| 30 in. x 100 ft | (762 mm x 30 m) |
| 24 in. x 100 ft | (610 mm x 30 m) |
| 18 in. x 100 ft | (457 mm x 30 m) |

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.

WARRANTY

10-year limited warranty

Only applicable in the case of proper handling and use. Terms and conditions apply.