

# TECHNICAL DATA SHEET



## INTRODUCTION

Our Protector Color Violet Howl Protection Film, based on Aliphatic Thermoplastic Polyurethane (TPU), is an ideal solution for all type of cars, trucks, and vans, thanks to its balance of durability and cost-efficiency. It boasts remarkable resistance to solvents, yellowing, and discolouration over time, without compromising hydrophobic properties and maintaining excellent self-healing performance.

Protector Paint Protection Films (PPF) are manufactured in a state-of-the-art facility certified to ISO-9001:2015 standards. This facility manages virtually every aspect of PPF production, from the initial petrochemical raw material (DMT) to the final product. By doing so, we eliminate the need to rely on external manufacturers, allowing us to maintain complete control over the entire production process, from polymer creation to the packaging of the final goods.

## FEATURES

- ✓ Self healing properties from minor and medium scratches
- ✓ Excellent glossiness
- ✓ Protection against chips, scratches and environmental factors
- ✓ Excellent stain resistance
- ✓ Excellent hydrophobic properties
- ✓ Resistance to bird dropping
- ✓ Dry application» thanks to its air bubble release liner

## SHELF LIFE

Easy application with air release liner, allowing dry application ! (wet application remain possible too)  
1 year from delivery. +15°C to +30°C, stable temperature in the original box protected by sunlight, in a clean and dry area. Due to the weight of the roll, store film inside its original packaging with roll caps, to avoid lines or defects from appearing. Store horizontally with cap-sheet and in original packaging, with a maximum stack of six boxes. Material must be stock in vertical postion.

\* The shelf life is an estimate, subject to influence from external and uncontrol – lable factors, particularly if storage conditions are not adhered to.

## WARRANTY

5 years from the date of installation. For further information refer to the warranty sheet.

## CONSTRUCTION

PROTECTIVE FILM	50u
COATING LAYER	7u
TPU BASE	115u
COLORED POLYURETHANE COATING	20u
POLYURETHANE SUBSTRATE	20u
PRESSURE- SENSITIVE ADHESIVE	28u
LINER	75u



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VIOLET HOWL

## CARE AND MAINTENANCE

- To prevent stains, remove insects, resin, tar, and debris from the PPF as soon as possible.
- Do not use solvent-based bug and tar removers.
- Wash and wax the vehicle as needed.
- Use only soft, non-abrasive gloves and drying materials.
- During washing, keep the high-pressure nozzle tip at a distance of 36 inches from the PPF.
- It is recommended to apply non-abrasive waxes or sealants once every 4 months.
- Do not use polishing compounds, clay bars, or waxes that contain dyes or abrasive agents.

## TECHNICAL INFORMATION

The technical information and data contained in this TDS are based on testing and findings and the accuracy of this information is not guaranteed. .

## LIABILITY

The Seller is not liable for any damage that the Buyer or a third party may suffer as a result of a failure or malfunction of the Goods or a poor performance of the Services and their operation after implementation, nor for any damage caused by late, inaccurate or incomplete deliveries, provisions or performances of Goods/Services, or due to inaccurate measurements, plans, sketches or specifications provided by the Buyer or a third party designated by the Buyer except in the case of wilful misconduct or gross negligence on the part of the Seller, its staff or agents. We are not liable for any damage or loss arising from the use of products that are not of our own production. In cases where none of our products are specified in the technical literature, it becomes the user's responsibility to determine their suitability and adhere to the precautionary instructions provided by the respective producers of those products.

The seller will not be held liable, in any way whatsoever, for indirect, consequential or immaterial damages due to disruption of business. In case of liability for direct damages, no compensation can ever exceed the price of the Goods/Services.

For more information, refer to our General Terms and Conditions of Sales.

