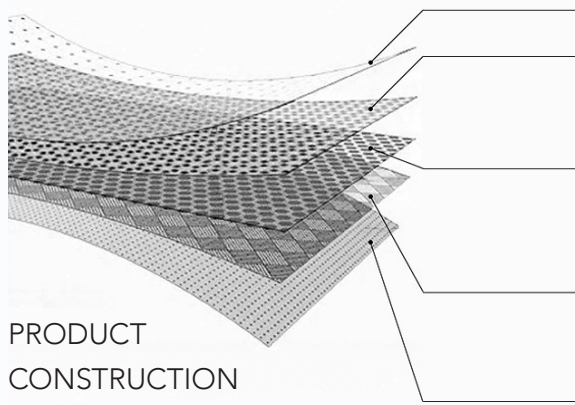


VERLENO ADVANCED SERIES PAINT PROTECTION FILM

TECHNICAL DATA SHEET

The Advanced Paint Protection Film

combines the highest durability and clarity in the market. Constructed from a combination of special elastomeric polymers, a clear coat that self-heals to eliminate swirl marks and fine scratches. These swirl marks and fine scratches can occur through daily driving or regular car washing and drying. With a light heat application, scuffs and light scratches on the surface of the film disappear within minutes, leaving your protection film pristine and your vehicle like-new.



PET PROTECTIVE LAYER

CLEARCOAT
12µm (0.50 mil)

POLYURETHANE
152µm (6.0 mil)

ACRYLIC ADHESIVE
28 µm (1.1 mil)

POLYESTER RELEASE LINER
75 µm (3.0 mil)

PRODUCT
CONSTRUCTION

GENERAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	TESTING CONDITIONS	STANDARDS USED
Peel Adhesion	>4 N/cm >4 N/cm >7 N/cm	20 min @ 23°C 24 hr @ 23°C 168hr @ 80°C	PSTC 101/ASTM 3330
Gloss	>90 GU	60 Degree	ISO 2813
Aging Tests Heat Aging Xenon Weathering EMMAQUA Aging	No Detrimental Effect ΔE < 1.5, 80% Gloss Retention ΔE < 1.5, 90% Gloss Retention	168hr @ 80°C 4,500 KJ 28,000MJ/m ² , 3.5 Year Exposure Equivalent	--- SAE J2527 ASTM G90
Mechanical Ultimate Strength @ Break Tensile Elongation @ Break Tear Strength	>15 MPa >300% >60 kN/m	Test rate: 20 in/min (500 mm/min) Test rate: 20 in/min (500 mm/min) Die C, 20 in/min (500 mm/min)	ASTM D882 ASTM D882 ASTM D624
Stone Chip Resistance	No Detrimental Effect	4.73 L of gravel shot at 70 PSI & -29°C	ASTM D3170/SAE J400
Chemical Resistance 3M Carburetor Cleaner Spray	Pass	60s Exposure to Carburetor Spray	
Stain Resistance Acetone Gasoline Diesel Motor Oil Armor All Soap & Water 100% Isopropyl Alcohol	No Detrimental Effect No Detrimental Effect No Detrimental Effect No Detrimental Effect No Detrimental Effect No Detrimental Effect No Detrimental Effect	Immerse for 30 min, check after 24 hours for change	

RECOMMENDED SHELF LIFE - 2 years from date of purchase*

*If installing film after recommended shelf-life, re-certification by XPEL is required.

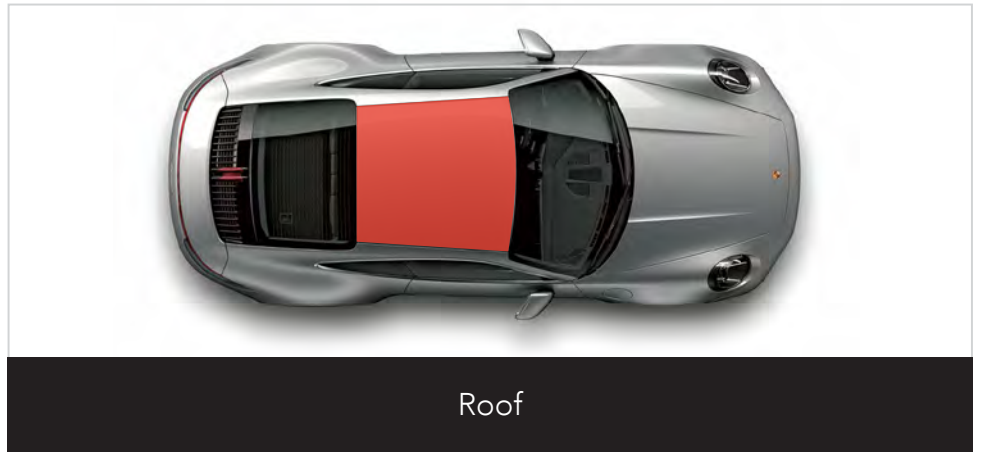
RECOMMENDED STORAGE CONDITIONS - 72° F (22° C) @ 50% RH

TARGET APPLICATIONS

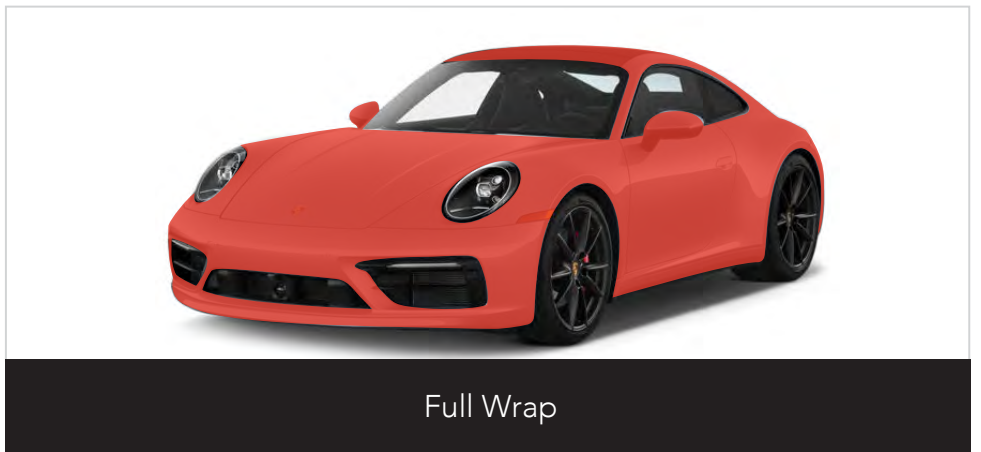
Clear Gloss polyurethane for stone chip protection, high wear, and abrasion in the automotive, motorcycle, RV, powersports, bicycle, and other transportation markets.



Hood



Roof



Full Wrap

VERLENO
Paint Protection Film

www.verleno.com

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Notice: The representations 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 that intended use.