

## **GENERAL DESCRIPTION**

**WrapPro Clear PPF** is a patent-pending, high-performance, self-adhesive, clear-coated aliphatic polyurethane film designed to protect automotive paint, and other surfaces, from harmful effects of stone chips and abrasion. It has exceptional elongation properties for ease of application and this feature allows for single piece installations. **WrapPro Clear PPF** is a very low surface energy film designed to resist staining and offers superior environmental resistance and gloss retention. The clear coat employs special elastomeric polymers that allow scratches in the surface to "heal" over time, eliminating the need for frequent polishing to maintain a just-installed appearance. **WrapPro Clear PPF** is coated with ultra-clear, high-performance acrylic adhesive which has excellent adhesion on a broad range of surfaces, while resisting disturbances during installation.

## **TYPICAL APPLICATIONS**

Clear & Color gloss polyurethane for stone chip protection, high wear, and abrasion. Automotive, motorcycle, RV, powersports, bicycle, aircraft, and most modes of transportation.

## **SHELF LIFE**

WrapPro recommends **WrapPro Clear PPF** be stored at 50°F-90°F, and 40%-60% RH. Film should be used within 2 years of purchase.

## **INSTALLATION**

**WrapPro Clear PPF** is designed to be used on any fully cured OEM paint surface. Surfaces that have been repainted are only suitable for installation of the film if the surface was repainted according to recommendations as set by the OEM. WrapPro maintains a complete set of detailed installation instructions, which may be viewed at [www.wrappro.com.hk](http://www.wrappro.com.hk). Generally, a wet application of the product is recommended.

## **WARRANTY**

WrapPro warrants **WrapPro Clear PPF** to be free of any manufacturing or workmanship defects for ten (10) years from the date of purchase. The warranty does not cover damage to **WrapPro Clear PPF** caused by erroneous application, accidents, or collisions, intentional misuse or ordinary wear, nor damage, dents or chips to the protected surface or film caused by impact of rocks or any other debris. WrapPro will replace any film that does not meet this warranty. The replacement of damaged film is the exclusive remedy; liability does not extend to any other damages, incidental, consequential, or otherwise.

## **NOTICE**

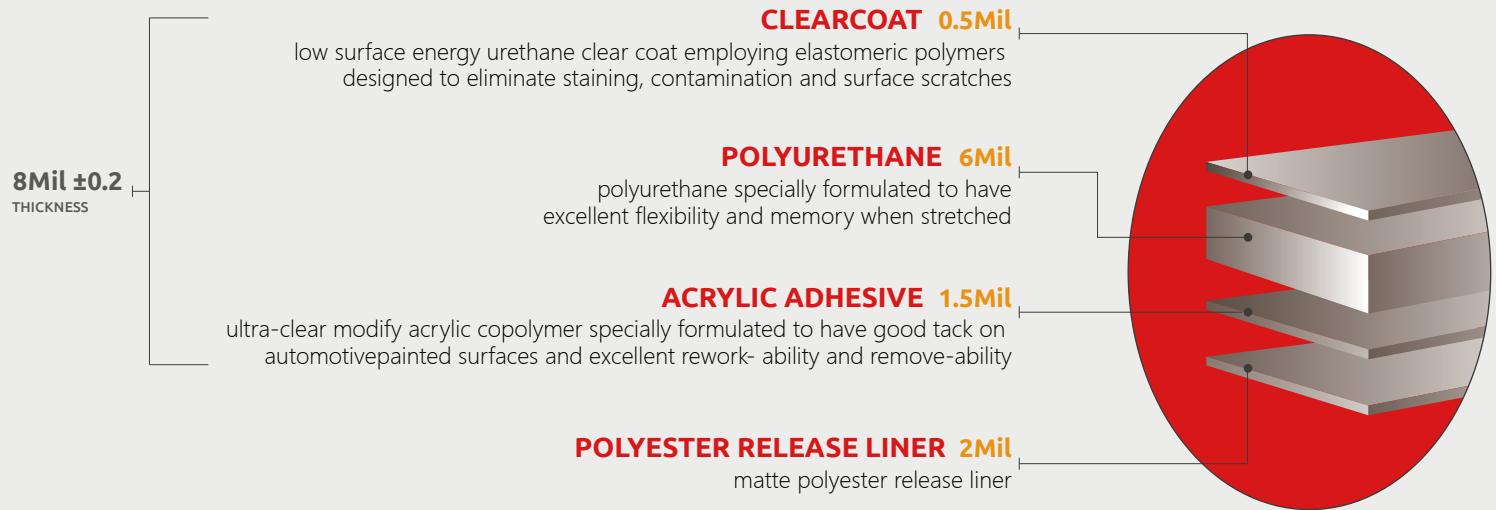
The representations of performance and suitability for use contained in this Technical Data Sheet are meant only as a guide. Since only the user is aware of the specific conditions in which the product is to be used, it is the user's responsibility to determine whether the product is suitable for that intended use.

# WrapPro Clear Paint Protection Film

High Performance Coated Aliphatic Polyurethane Film



## FILM CONSTRUCTION



## PRODUCT SPECIFICATION

PROPERTIES	TYPICAL VALUES	TESTING CONDITIONS	STANDARDS USED
<b>90° Peel Adhesion</b>	> 3.8 N/cm > 4.8 N/cm	20M post-installation @ room temp 72H post-installation @ room temp	ASTM D3330, Method F ASTM D3330, Method F
<b>Gloss</b>	>102 GU	60° Gloss Angle	XQT 104
<b>Aging Tests</b> <b>Heat Aging</b> <b>Xenon-arc Accelerated Weatherometer Exposure</b>	AE< 2 E< 2, >80% Gloss Retentio	250h@80°C 4500 kJ (3461 hours)	XCON008 SAE J2527
<b>Mechanical</b>  Ultimate Strength @ Break Tensile Elongation @ Break Shrinkage	>16 MPa >275% >1%	Test rate: 20 in/min Test rate: 20 in/min % Change in length after aging@120+2°C	ASTM D882 ASTM D882 XQT 111
<b>Stain/Chemical Resistance</b>  Anti-freeze Unleaded Fuel Engine Oil Transmission Fluid Glass Cleaner Windshield Washer Solvent	No Detrimental Effect No Detrimental Effect No Detrimental Effect No Detrimental Effect No Detrimental Effect No Detrimental Effect	24 hour immersion 24 hour immersion 24 hour immersion 24 hour immersion 24 hour immersion 24 hour immersio	XQT 251 XQT 257 XQT 253 XQT 262 XQT 255 XQT 256

RECOMMENDED SHELF LIFE - 2 years from date of purchase\*

\*if installing film after recommended shelf-life, re-certification by WrapPro is required.

RECOMMENDED STORAGE CONDITIONS

72° F (22°C) @ 50% RH

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