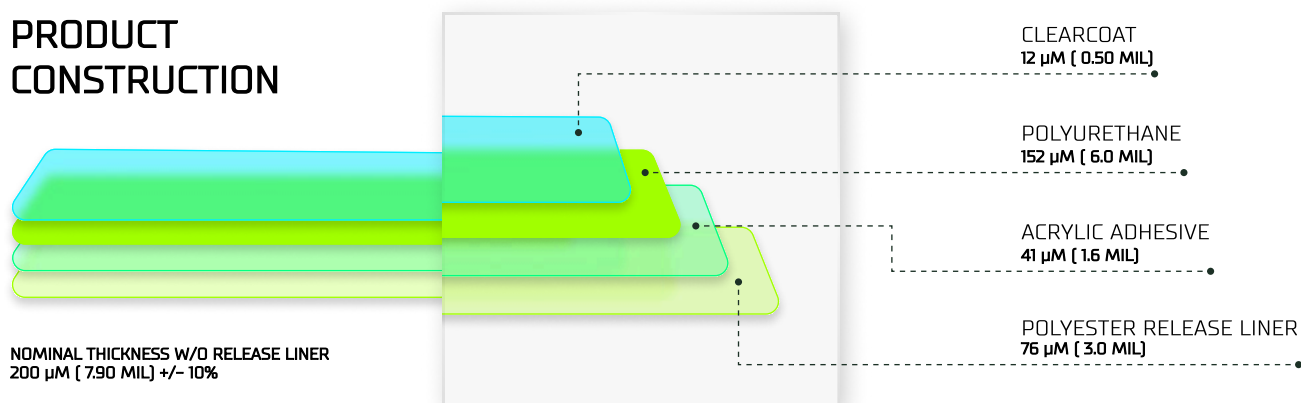


## INFORMATION

VAVILON MATTE PPF IS A TOP-TIER, MATTE-FINISH ALIPHATIC POLYURETHANE PROTECTION FILM DESIGNED TO SAFEGUARD VEHICLE PAINT AND OTHER SURFACES FROM DAMAGE CAUSED BY STONE CHIPS, SCRATCHES, AND ROAD DEBRIS. ITS EXCELLENT FLEXIBILITY AND STRETCH PROPERTIES MAKE IT IDEAL FOR SMOOTH, SEAMLESS APPLICATION, EVEN OVER COMPLEX CURVES IN A SINGLE PIECE. THIS MATTE PROTECTIVE FILM FEATURES A LOW SURFACE ENERGY THAT RESISTS STAINING AND DEFENDS AGAINST ENVIRONMENTAL ELEMENTS SUCH AS DIRT, SALT, AND POLLUTION. THE INNOVATIVE MATTE TOP LAYER INCLUDES ADVANCED ELASTOMERIC POLYMERS THAT ENABLE LIGHT SURFACE MARKS AND SWIRL LINES TO SELF-HEAL GRADUALLY, HELPING THE FILM MAINTAIN ITS REFINED, SMOOTH APPEARANCE OVER TIME.

VAVILON MATTE PPF IS EQUIPPED WITH A CRYSTAL-CLEAR, HIGH-PERFORMANCE ACRYLIC ADHESIVE, ENSURING SECURE BONDING ACROSS VARIOUS SURFACES WHILE MINIMIZING MOVEMENT DURING INSTALLATION. IT'S SPECIALLY ENGINEERED TO PREVENT PEELING OR LIFTING, AND IT REMOVES CLEANLY WITHOUT HARMING THE ORIGINAL PAINT OR LEAVING RESIDUE.

## PRODUCT CONSTRUCTION



## GENERAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	TESTING CONDITIONS	STANDARDS USED
<b>PEEL ADHESION</b>	>4 N/CM >7 N/CM >7 N/CM >7 N/CM >7 N/CM	20 MIN. @ ROOM TEMPERATURE 72 HR @ ROOM TEMPERATURE 168 HR @ 70°C (158°F) 168 HR @ 35°C (95°F) AND 100% RELATIVE HUMIDITY AFTER XENON WEATHERING	PSTC 101
<b>GLOSS</b>	<25 GU	60 DEGREE	ISO 2813
<b>AGING TESTS</b> HEAT AGING WATER IMMERSION AFTER XENON WEATHERING NATURAL WEATHERING - AZ NATURAL WEATHERING - FL	NO DETRIMENTAL EFFECT NO DETRIMENTAL EFFECT ΔE < 2/90% GLOSS RETENTION NO DETRIMENTAL EFFECT NO DETRIMENTAL EFFECT	16 DAYS @ 80°C (176°F) 400 HR @ 40°C (104°F) 4,500 KJ 3 YR @ 45° SOUTH-FACING EXPOSURE 3 YR @ 5° SOUTH-FACING EXPOSURE	- - SAE J2527 SAE J1976 SAE J1976
<b>MECHANICAL</b> ULTIMATE STRENGTH @ BREAK TENSILE ELONGATION @ BREAK SHRINKAGE	>15 MPA >200% <0.1%	TEST RATE: 20 IN/MIN (500 MM/MIN) TEST RATE: 20 IN/MIN (500 MM/MIN) AFTER ACCELERATED WEATHERING	ASTM D882 ASTM D882 XQT 111
<b>STONE CHIP RESISTANCE</b>	NO DETRIMENTAL EFFECT	4.73 L OF GRAVEL SHOT AT 70 PSI & -29°C (-20°F)	ASTM D3170/SAE J400
<b>STAIN RESISTANCE</b> WATER & SOAP SPOTTING ACID SPOTTING GASOLINE DIESEL FUEL MOTOR OIL LACQUER THINNER ENAMEL REDUCER ACETONE	NO DETRIMENTAL EFFECT 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 XQT204 IMMERSE FOR 30 MIN, CHECK AFTER 24 HOURS FOR CHANGE XQT204 IMMERSE FOR 30 MIN, CHECK AFTER 24 HOURS FOR CHANGE XQT204 IMMERSE FOR 30 MIN, CHECK AFTER 24 HOURS FOR CHANGE XQT204 IMMERSE FOR 30 MIN, CHECK AFTER 24 HOURS FOR CHANGE XQT204 IMMERSE FOR 30 MIN, CHECK AFTER 24 HOURS FOR CHANGE XQT204 IMMERSE FOR 30 MIN, CHECK AFTER 24 HOURS FOR CHANGE XQT204 IMMERSE FOR 30 MIN, CHECK AFTER 24 HOURS FOR CHANGE XQT204	XQT 201 XQT 202 XQT 203 XQT 204 XQT 205 XQT 206 XQT 207 XQT 208

### RECOMMENDED SHELF LIFE - 2 YEARS FROM DATE OF PURCHASE\*

\*IF INSTALLING FILM AFTER RECOMMENDED SHELF-LIFE, RE-CERTIFICATION BY VAVILON IS REQUIRED.

### RECOMMENDED STORAGE CONDITIONS

72° F [22°C] @ 50% RH

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.