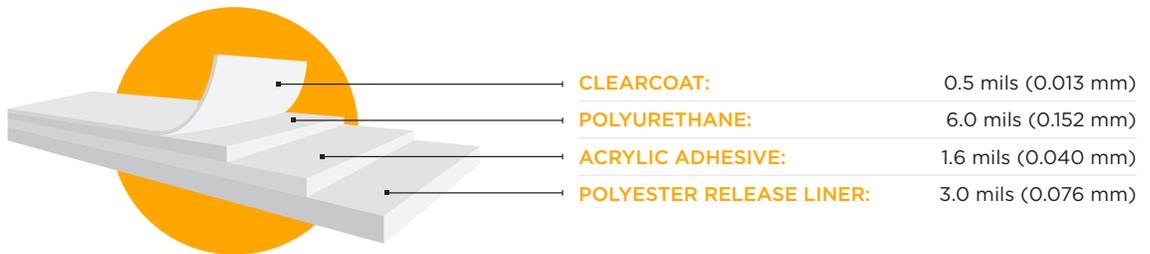


XPEL ULTIMATE™ is a patent-pending, high performance, self-adhesive, clear-coated aliphatic polyurethane film designed to protect automotive paint, and other surfaces, from harmful effects of stone chips and abrasion. It has exceptional elongation properties for ease of application which allows for single piece installations. XPEL ULTIMATE™ 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. XPEL ULTIMATE™ is coated with ultra-clear high performance acrylic adhesive which has excellent adhesion on a broad range of surfaces, while resisting disturbances during installation.

PRODUCT CONSTRUCTION



GENERAL CHARACTERISTICS			
PROPERTIES	VALUES	UNIT OF MEASURE	TEST METHOD
Peel Adhesion 20 min. @ Room Temperature 72 Hours @ Room Temperature 168 hours at 70°C/158°F 168 hours at 35°C/95°F and 100% RH After accelerated weathering	400 700 700 700 700	N/M N/M N/M N/M N/M	PSTC-1
Gloss	>96	% Gloss @ 20°	DIN-EN ISO 2813
Aging Test Heat Age Water Immersion Post Xenon weathering Natural Weathering - AZ Natural Weathering - FL	<2.0 <2.0 <2.0 <2.0 <2.0	ΔE ΔE ΔE ΔE ΔE	16 days @ 80°C 400 hrs 40°C 3000 hrs 1 yr 45° south-facing exposure 2 yrs 5° south-facing exposure
Stone Chip Resistance	Pass	Pass/Fail	ASTMD3170/ SAE J400
Mechanical Ultimate Strength @ Break Shrinkage Tensile Elongation @ Break	>15 <0.1 >200	MPa % %	ASTMD638-95
Stain Resistance Water & Soap Spotting Acid Spotting Gasoline Diesel fuel Motor Oil	<2.0 <2.0 <2.0 <2.0 <2.0	ΔE ΔE ΔE ΔE ΔE	24 hr dwell @ RT Clean with IPA Wipe

TARGET APPLICATIONS

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



Partial Hood and Fender



Bumper



Rocker Panels



Trunk Ledge



Door Edge



Rear Quarter Panels



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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.

MKT-7001U