

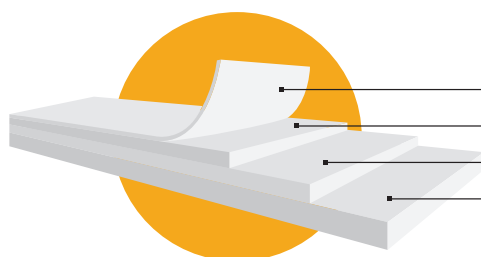
XPEL ULTIMATE STEALTH™

PAINT PROTECTION FILM

TECHNICAL DATA SHEET **APRIL 2014**

XPEL ULTIMATE STEALTH is a patent pending high performance self adhesive satin clear coated aliphatic polyurethane film designed to protect automotive paint, and other surfaces, from the harmful effects of stone chips and abrasion. It has exceptional elongation properties for ease of application and this feature allows for single piece installations over highly contoured surfaces. XPEL Protection Film - ULTIMATE STEALTH is a very low surface energy film designed to resist staining and offers superior resistance to environmental contaminants. The satin clear coat employs special elastomeric polymers that allow light scratches and swirls to "heal" over time. XPEL Protection - ULTIMATE STEALTH 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



SATIN CLEARCOAT:	0.5 mils (0.013 mm)
POLYURETHANE:	6.0 mils (0.152 mm)
ACRYLIC ADHESIVE:	1.6 mils (0.040 mm)
SATIN POLYESTER RELEASE LINER:	2.0 mils (0.076 mm)

GENERAL CHARACTERISTICS

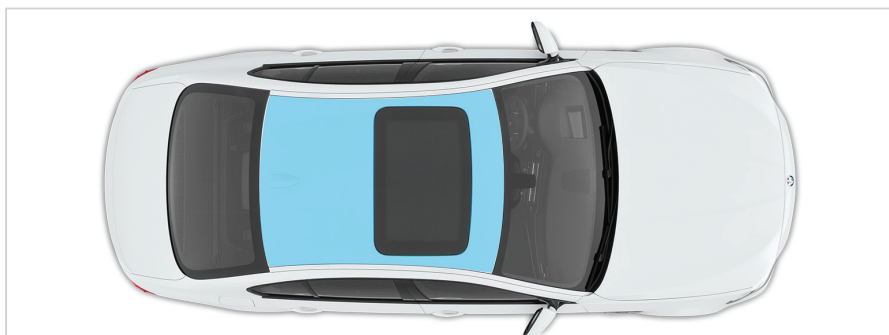
PROPERTIES	TYPICAL VALUES	UNIT OF MEASURE	TEST METHOD
Peel Adhesion	6.2 N/CM 8.35 N/CM 21.3 N/CM 11.6 N/CM 18.5 N/CM	1 hr @ RT 7 days @ RT 16 days @ 80°C 400 hr 40°C 1000 hr	TSM7505G
Gloss	58 %	20 Degree	BS EN ISO 2813
Aging Test Heat Age Water Immersion Post Xenon weathering Natural Weathering - AZ Natural Weathering - FL	Pass-No Detrimental Effect Pass-No Detrimental Effect Pass-No Detrimental Effect Pass-No Detrimental Effect Pass-No Detrimental Effect	16 days @ 80°C 400 hr 40°C 1000 hr (41 days) 1 yr 45° south-facing exposure 1 yr 5° south-facing exposure	TSM7505G
Stone Chip Resistance - Gravelometer	Pass-No Detrimental Effect	Chipping ratings per SAE	ASTMD3170
Mechanical Ultimate Strength @ Break Shrinkage Tensile Elongation @ Break	64.9 MPa 57.3 MPa 310.5%	Test rate: 1.0 mm/min	ASTMD638-95
Stain Resistance 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 in 24 hrs. for change

TARGET APPLICATIONS

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



Hood



Roof



Full Wrap



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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.