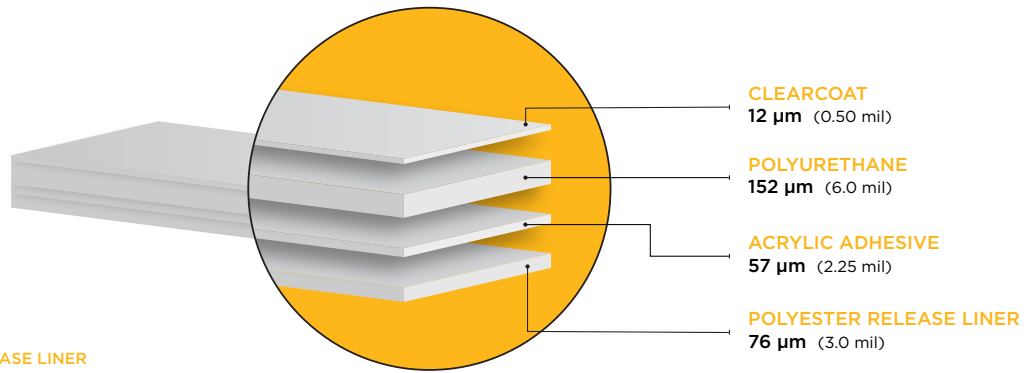


INFORMATION

XPEL **ULTIMATE PLUS™ BLACK** is a high performance, self-adhesive, gloss black, 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 PLUS™ BLACK** 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. **ULTIMATE PLUS™ BLACK** is coated with ultra-clear high performance acrylic adhesive which has excellent adhesion on a broad range of surfaces, while resisting disturbances during installation. This high performance acrylic adhesive is formulated to resist delamination, will not damage paint or leave behind residue upon removal post installation.

PRODUCT CONSTRUCTION



NOMINAL THICKNESS W/O RELEASE LINER
221 µm (8.75mil) +/- 10%

GENERAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES	TESTING CONDITIONS	STANDARDS USED
90° Peel Adhesion	>4 N/cm >7 N/cm	20 min. @ Room Temperature 24 hr @ Room Temperature	PSTC 101
Gloss	>90 GU	60 Degree	ISO 2813
Aging Tests Shear T-Peel	>1,440 Minutes >3.5 N/cm	1kg, 0.5" x 1" Mounted, Room Temperature 24 hr at 60°C	XQT212 XQT208
Stone Chip Resistance - Gravelometer	No Detrimental Effect	3 pints of gravel, 70 psi, 45° impingement angle, -20 °F	SAE J400
Mechanical Ultimate Strength @ Break Tensile Elongation @ Break Tear Strength	>15 MPa >200% >60 kN/cm	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

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

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.