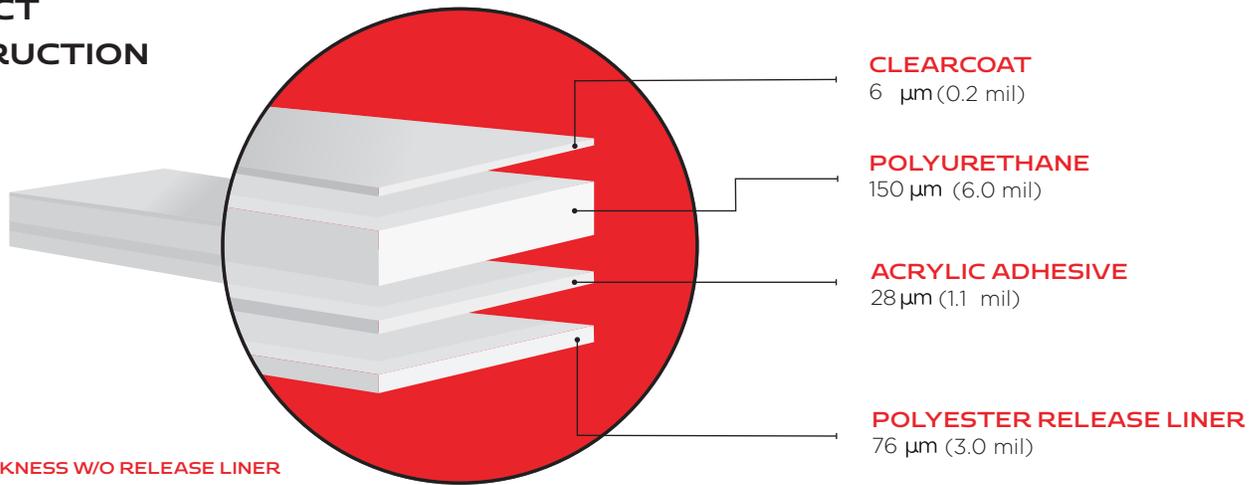


**XPERT DEEP MATTE** is a high performance self adhesive satin clear coated aliphatic polyurethane film designed to protect automotive paint, and other surfaces, from the harmful effects of stone chips and abrasion. It has exceptional elongation properties for ease of application and this feature allows for single piece installations over highly contoured surfaces. **XPERT DEEP MATTE** 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. **XPERT DEEP MATTE** 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**  
200 μm (7.9 mil) +/- 10%

### GENERAL CHARACTERISTICS

| PROPERTIES                                                                                                                                                | TYPICAL VALUES                                                                                                                                                                                       | TESTING CONDITIONS                                                                                                                                           | STANDARDS USED                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| <b>Peel Adhesion</b>                                                                                                                                      | >4 N/cm<br>>7 N/cm<br>>7 N/cm<br>>7 N/cm<br>>7 N/cm                                                                                                                                                  | 20 min. @ Room Temperature<br>72 hr @ Room Temperature<br>168 hr @ 70°C (158°F)<br>168 hr @ 35°C (95°F) and 100% Relative Humidity<br>After Xenon Weathering | PSTC 101                                                                     |
| <b>Gloss</b>                                                                                                                                              | < 25 GU                                                                                                                                                                                              | 60 Degree                                                                                                                                                    | ISO 2813                                                                     |
| <b>Aging Tests</b><br>Heat Age<br>Water Immersion<br>After Xenon weathering<br>Natural Weathering - AZ<br>Natural Weathering - FL                         | No Detrimental Effect<br>No Detrimental Effect<br>ΔE<2 / 90% Gloss Retention<br>No Detrimental Effect<br>No Detrimental Effect                                                                       | 16 days @ 80°C (176°F)<br>400 hr @ 40°C (104°F)<br>4,500 kJ<br>3 yr @ 45° south-facing exposure<br>3 yr @ 5° south-facing exposure                           | SAE J2527<br>SAE J1976<br>SAE J1976                                          |
| <b>Stone Chip Resistance - Gravelometer</b>                                                                                                               | No Detrimental Effect                                                                                                                                                                                | 4.73 L of gravel shot at 70 psi and -29 °C (-20 °F)                                                                                                          | ASTM D3170<br>SAE J400                                                       |
| <b>Mechanical</b><br>Ultimate Strength @ Break<br>Tensile Elongation @ Break<br>Shrinkage                                                                 | >15 MPa<br>>200%<br><0.1%                                                                                                                                                                            | Test rate: 20 in/min (500 mm/min)<br>Test rate: 20 in/min (500 mm/min)<br>After accelerated weathering                                                       | ASTM D882<br>ASTM D882<br>XQT 111                                            |
| <b>Stain Resistance</b><br>Water & Soap Spotting<br>Acid Spotting<br>Gasoline<br>Diesel fuel<br>Motor Oil<br>Lacquer Thinner<br>Enamel Reducer<br>Acetone | No Detrimental Effect<br>No Detrimental Effect | Immerse for 30 min, check after 24 hrs. for change                                                                                                           | XQT201<br>XQT202<br>XQT204<br>XQT205<br>XQT206<br>XQT208<br>XQT207<br>XQT208 |

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

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

**RECOMMENDED STORAGE CONDITIONS - 72° F (22° C) @ 50% RH**

# 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.

