

MATTE PRO PAINT PROTECTION FILM

Technical Data Sheet

MATTE PRO PPF is a designed top coating which improves contaminant resistance as general PPF such as watermarks, insects, bird droppings, road oils, exhaust smoke and pollution caused by yellowing. With its excellent shock-proofing properties it protects vehicle paint chipping from scratches, car wash brushes, it contains self-healing by heat against tiny scratches. Gives a matte appearance to the car .

TOP COATING SURFACE PROPERTIES :

- **Matte (transparent)**
- **Hydrophobic %100**
- **healing (Anti-Scratch)**
- **HD clear TPU**
- **tensile elongation 450 %**
- **Non-yellowing**
- **Super stretch**
- **Glossy 5 %**

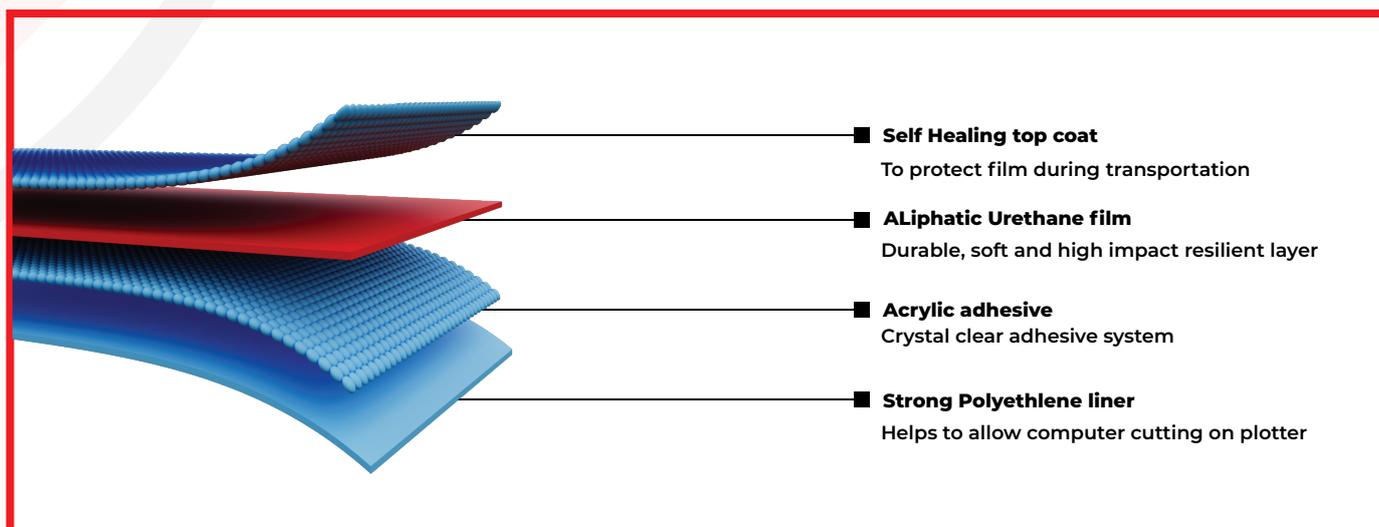
FILM MATERIAL :

This film is a polycaprolactone based, aliphatic TPU film (Lubrizol). It is a low gel, non-yellowing, UV resistant film, and is used in a wide range of outdoor exposed vehicle protect application.

ADHESIVE PROPERTIES

- Easy Removable.
- Repositionable high-performance acrylic (Ashland Adhesives)
- Non-yellowing.
- Top shine protection warrant their range films for a (compliant with the geographical zone)
The warranty period varies according to the film and the geographical zone .
Follow your zone at website/ warranty guide

Top shine PPF Construction : -



NO	TEST ITEM	TEST METHOD & VALUE
1	Roll Size	1.52m*15m
2	Appearance Glossy	Matte Transparent
3	Warranty	Follow your warranty zone conditions
4	Substrate Material	TPU (Lubrizol)
5	Hydrophobicity	Super hydrophobic
6	Structure	5 layers
7	Functional coating	(0.5mil)
8	TPU base layer	(6.0mil)
9	Glue layer	(1.5mil)
10	Translucent release layer	(3.0mil)
11	Max Apply Temperature	240 F(116°C)
12	Feature	healing Room temperature
13	Gloss Value	> 5 GU at 60 ⁰ angle
14	Elongation at Break	450 % (D412)
15	Transmittance	>40.5%
16	Tensile Strength	5000psi (D -412)
17	Outdoor Weathering	No change (6500W Xenon Arc, Irradiance 0.51 W/m2(340 nm),65°F, Relative Humidity 50% 1000hours)
18	SAE J400 gravel test	Not affected
19	Soapy water soaking test	Not affected
20	Thermal aging test -40°C70°C	Not affected
21	Boiling water soaking test	Not affected
22	QUV accelerated aging test	Not affected



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Shelf life: TOPSHINE recommends using MATTE PRO within one year from date of purchase.
Optimum storage conditions for MATTE PRO are 40°F (4°C) to 90°F (32°C), and 40% to 60% relative humidity.