

HISTORY

*Poly(ethylene terephthalate) and polyurethane materials as related to the automotive industry was originally created for aircraft propeller blade protection. Pitted blades reduced air flow efficiency over the blades and thus were covered with film to keep them in prime working condition. In the 1980's the first automotive film protection filtered in via headlamp protection covers for higher end vehicles. As headlamp casings could cost upwards of several hundred \$USD each, film protection was a cost effective way to protect such investments. As environmental regulations entered the scene enforcing the phase out of lead based paints for use of weaker water based paints, protection films were utilized to cover and protect OEM paint in an aesthetically pleasing invisible manner and was coined the name – Paint Protection Film. And so the industry in the automotive sector was born.

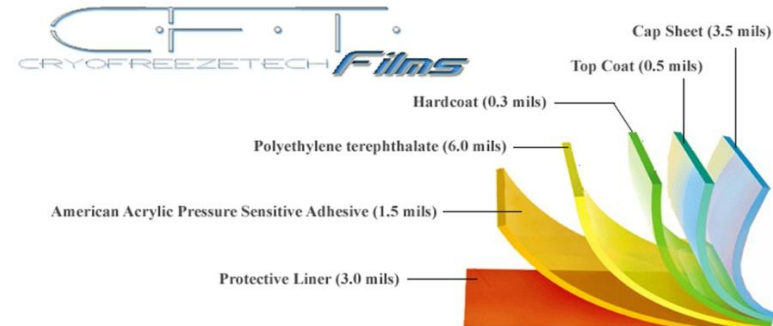
DESCRIPTION

*Our Paint Protection Film is a flexible polymer 8.3 mils thick with impact deflection and protection properties. Core attributes incorporating Nano Synthesis Technology™ to combine additives and stabilizers to help provide protection against UV light, heat, chlorine and oxidation reactions. Research and Developed to produce a semi-permanent; highly conformable; scratch resistance film to resist abrasives; resist etching from bug guts, bird droppings, acid rain, and tree sap; have ease of installation; and protection against mud, dirt, sand, pebble chips, pits, abrasions, corrosion, vandalism, road debris, minor impact damage, and scuffing. CFT Paint Protection Film will provide longevity to your possession, value, peace of mind, and an aesthetic uniquely its own.

SPECIFICATIONS & TECHNICAL DATA FOR GLOSS & MATTE PPF:

PPF PRODUCT CONSTRUCTION

Cap Sheet Thickness (Protects top of gloss PPF films)	3.5 mils
Top coat (Chemical Resistant, Scratch Resistant, Self Healing Film)	0.5 mils
Hardcoat (Increased Durability, Increased Scratch Resistant Film)	0.3 mils
Polyethylene terephthalate (PET) and Polyurethane Thickness (PPF)	6.0 mils
American Acrylic Pressure Sensitive Adhesive (PSA) Thickness	1.5 mils
Protective Liner Thickness (Protects Adhesive)	3.0 mils



PERFORMANCE TEST	VARIABLE	RESULT
Peel Strength		3785 gf/cm (1490 gf/in)
Tensile Strength MPA (PSI)		8.88 N/ 25 mm (50.82 lbf/ in)
Shear Strength	PSTC-107	420 mins / 7.0 hrs
Elastic Break Point		550%
Gravel Resistance with No Ruptures (Mechanical Resistance)	SAEJ4000	PASS
Weather / Element Resistance	8,760 hours of Outdoor UV Exposure (-20.5° C / 105° C)	No Adverse Reaction
	2900 hours Outdoor Exposure	No Discoloration
	Gloss Degradation	Not Significant
	Adhesion Degradation	Not Significant
	Cracking & Glazing	None
Solvent Resistance	Testing Device: Crockmeter - 8 cycles	
	Isopropanol / Propan-2-ol / 2-Propanol Alcohol Exposure	No Adverse Reaction
	Ink stains removable by Isopropanol after 180 minutes	No Adverse Reaction
	Diesel Immersion & Rub Test Exposure	No Adverse Reaction
	Commercial Paint Cleaner Exposure	No Adverse Reaction
	Salt Water Exposure	No Adverse Reaction