Paint Protection Film

TECHNICAL DATA SHEET

ITEM NO.: BJ01-SUNROOF PPF

SIZE: 60''×50'

INFORMATION

Experience our Paint Protection Film(PPF), a superior solution designed to protect and preserve your vehicle's finish. This cutting-edge film combines advanced technology with exceptional clarity, ensuring that your car maintains its original beauty while being shielded from scratches, chips, and environmental elements. Engineered for durability, our PPF provides a robust barrier against harmful UV rays and road debris, giving you peace of mind as you drive. Transform your vehicle's protection with confidence and style!

TOP COATING SURFACE PROPERTIES

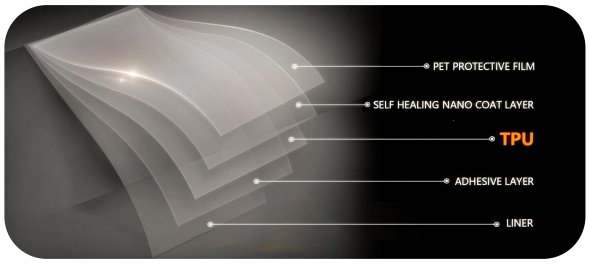
The hydrophobic topcoat and scratch-healing technology make the film simple to maintain and resistant to wear and tear from washing abrasion. This ensures the film retains its glossy appearance for ten times longer than traditional vinyl wraps.

★Self-healing
★Non-Yellowing
★Anti-scratch&corrosion
★VLT:71.3%; UVR :99.2%;IRR:95%;TSER:58.4%
★Hydrophobic
★Edge Seal Technology
★Improved Gloss

FILM MATERIAL

This film is a polycaprolactone based,aliphatic TPU(thermal polyurethane)film.It is a low gel,non-yellowing,UV-resistant film used in a wide range of outdoor exposedvehicle protection applications.The Elastic TPU design not only delivers a stunning appearance but also offers four times the durability and protection against rock chips, deep scratches, and chemical damage compared to the original painted surface. Preserve the pristine condition of your original paint for an extended period!

FILM STRUCTURE



STRUCTURE	DETAILS
Film Thickness	6.5mil
PET Protective Film	50um
Self healing Nano Coat Layer	8um
TPU	130um
Adhesive Layer	26um
Release Film	75um

PHYSICAL PROPERTIES

Properties	Test Results	Testing Conditions
Elongation at break	454%	Test rate: 10 mm/min (300 mm/min)
Tensile Strength	37.9MPA	Test rate: 10mm/min (300 mm/min)
Shrinkage	<3.0%	After accelerated weathering
Peel Adhesion	46.1gf	24hr in Room Temperature
Inititial Adhesive	853gf	24hr in Room Temperature
24h,180° Peel	1320gf	24hr in Room Temperature
Gloss	≧90°	60 Degree
Hydrophobic	Superb	Spray water 60min
Self-Healing Type	Heat Self Healing	10 times with steel brush, self healing at 50-70°C for 1 min
Stain resistance	Good	Immerse for 30min with corrosive liquid.check after 24hr
	AgingTest	
UV TESTING	No Detrimental Effect	1800 cycles 60 minutes test / 0.55w/m2/nm / 340nm
Natural Weathering	No Detrimental Effect	3yr natural China Weather
Humidity With Heat	No Detrimental Effect	200hr / 0-60°C /humidity:50%-90%RH
Heat Aging	No Detrimental Effect	3months/70°C

Storage Condition

Tempreture	15-25°C
Humidity	40-60%

Warranty Details

Warranty Periods	2 Years
Service life	5 Years

WARRANTY-quality guarantee for our guestsusing our prodction in normal enviromentand within warranty duration,the official warranty is avaliable if items have serious yellowing.split,glue delamination and wrinkles problems etc.The common damage situations are not under the assurance such as abrasion,stone hitting,traffic accident,crash and any other unnatural problems.