



PAINT PROTECTION FILM

For an extra layer of
care for your car.



Transforming Surfaces Enhancing Protection

Saint-Gobain Automotive Solutions' Superior Range of Paint Protection Films are virtually undetectable and are designed to deliver best-in-class protection for your car from daily wear and tear. Now available in three new high quality variants, these films are truly a notch above when compared to the conventional ones.

SAPPHIRE PLUS



Forms an invisible, tough layer on your car's body and protects it from chips, scratches and stains caused by road debris and more.

Features:



Chemical Resistant



Hydrophobic



Anti-Yellowing



High Gloss



Self-Healing

5 Year Warranty

HYDRO PLUS



An invisible paint protection film that shields your vehicle's paint from daily wear and tear while also providing superior scratch resistance for a longer period of time.

Features:



Advanced Hydrophobic



High Grade Polyurethane Barrier



High Gloss with Smooth Surface



Chemical Resistant



Self-Healing



Anti-Yellowing

10 Year Warranty

MATTE HYDRO PLUS



Provides a tough barrier to your car and adds a distinctive appeal with its matte finish.

Features:



Satin Finish



High Grade Polyurethane Barrier



Chemical Resistant



Easy to Maintain



Self-Healing

5 Year Warranty

	TECHNICAL SPECIFICATIONS	TEST METHODS	SAPPHIRE PLUS	HYDRO PLUS	MATTE HYDRO PLUS
Physical Properties	CAP Sheet Thickness	GB/T 6672-2001	50 micron	50 micron	-
	Product Thickness (HC+TPU+PSA)	GB/T 6672-2001	190 micron	190 micron	190 micron
	TPU Film Thickness	GB/T 6672-2001	150 micron	150 micron	150 micron
	Elongation at break (%)	ASTM D882	303%	343%	311%
Chemical Resistance	Soap & Water	Samples submerged in chemical for 24 hours followed by visual inspection	Pass, NDE	Pass, NDE	Pass, NDE
	Isopropyl Alcohol		Pass, NDE	Pass, NDE	Pass, NDE
	Mild Acid (pH 9+)		Pass, NDE	Pass, NDE	Pass, NDE
	Windshield Washer Fluid		Pass, NDE	Pass, NDE	Pass, NDE
	Unleaded Gasoline	Samples submerged in chemical for 30 minutes followed by visual inspection in 24 hours	Pass, NDE	Pass, NDE	Pass, NDE
	Motor Oil Pass		Pass, NDE	Pass, NDE	Pass, NDE
Aging Test	Heat Aging	Adhered to paint panel, 16 days at 176°F (80°C)	Pass, NDE	Pass, NDE	Pass, NDE
	Weatherability	ASTM G155 Cycle 7 - 3,000 hours	Pass, NDE	Pass, NDE	Pass, NDE
Appearance	Gloss	Adhered to paint panel, 60° ASTM D523	96 GU	95 GU	20 GU
	Optical Clarity	Hazemeter	0.7	0.6	55
Resistance Test	Chip Resistance	AE J400 (Gravelometer)	Pass, NDE	Pass, NDE	Pass, NDE
	Hydrophobic/Water Repellancy	GB/T 30693-2014 ≤90° is hydrophilic >90° is hydrophobic	>90°	>90°	>103°
	Self-Healing without heat (time)	Scrubber - Fine Copper Brush Load - 200 g /sq cm Temperature - Room Temp (25°C)	Part of scratch can be healed at room temperature in 12 hours	Part of scratch can be healed at room temperature in 12 hours	Part of scratch can be healed at room temperature in 12 hours, not easy to have scratches
	Self-Healing with heat (time)	Scrubber - Fine Copper Brush Load - 200 g /sq cm Temperature - 60°C Heater - Heatgun/Hot water	Minimum 3 seconds	Minimum 3 seconds	Minimum 3 seconds

Glossary:

HC = Hard Coat, TPU = Thermal Plastic Polyurethane, PSA = Pressure-Sensitive Adhesive

NDE = No Detrimental Effect

Note: All values are nominal values and should not be used for specification purposes.

Shelf life:

Saint-Gobain Automotive Solutions recommends using its Paint Protection Films within one year from date of purchase.

Optimum storage conditions are 40°F (4°C) to 90°F (32°C) and 40% to 60% relative humidity.



Saint-Gobain Automotive Solutions

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