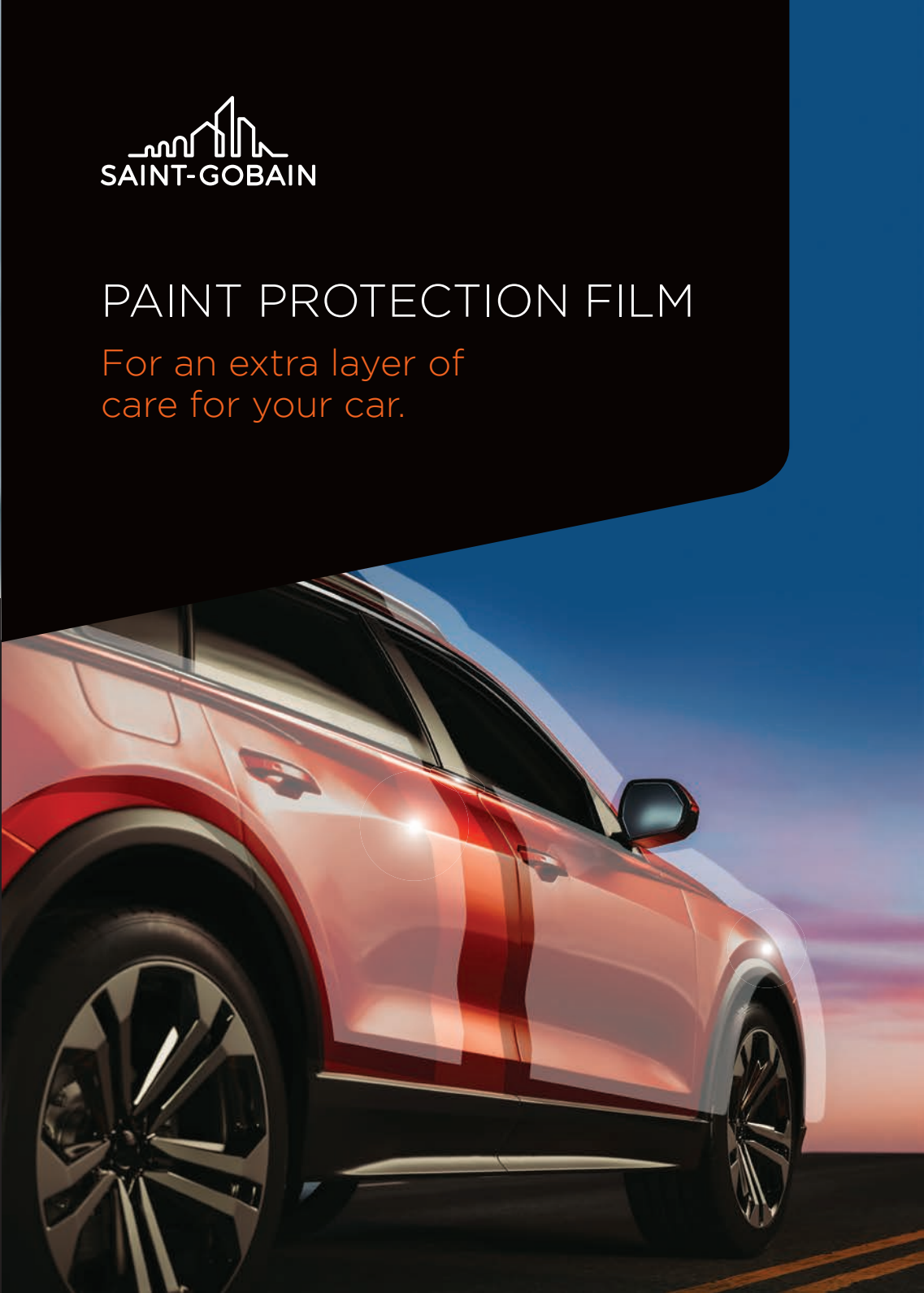
SAINT-GOBAIN

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 four 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.

NOW AVAILABLE IN 8 YEAR WARRANTY

Features:

- Chemical Resistant
- Hydrophobic
- Self-Healing
- High Gloss

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.

10 YEAR WARRANTY

Features:

- Advanced Hydrophobic
- High Grade Polyurethane Barrier
- High Gloss with Smooth Surface
- Chemical Resistant
- Self-Healing

10 Year Warranty

MATTE HYDRO PLUS



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

5 YEAR WARRANTY

Features:

- Satin Finish
- High Grade Polyurethane Barrier
- Chemical Resistant
- Easy to Maintain
- Self-Healing

NORSHIELD CLEAR



This transparent paint protection film acts as an invisible shield, defending your vehicle's paint from the harsh effects of daily use. With its advanced scratch-resistant properties, it ensures lasting protection, preserving the pristine appearance of your car for years to come.

6 YEAR WARRANTY

Features:

- Stain resistance
- Hydrophobic
- Self-Healing
- High Gloss

NORSHIELD COLORED



The Norshield PPF is now available in a variety of vibrant colors, including HG Black, Carbon Fiber, Gem Blue, Khaki Green, Matte Black, Glacier Blue, and Nardo Grey, allowing you to customize your vehicle's appearance while enjoying top-tier protection.

8 YEAR WARRANTY

Features:

HG Black | Carbon Fiber | Gem Blue | Khaki Green | Matte Black | Glacier Blue | Nardo Grey

- 3 layer TPU
- Chemical Resistant
- Self-Healing

E-WARRANTY SYSTEM

PRESETING END TO END MANAGEMENT FOR PAINT PROTECTION FILM AND CERAMIC COAT APPLICATION.



- Tailored for Detailers and OEM's
- Ensures efficient data management and application tracking for a streamilined experience.

HOW THE **SAINT GOBAIN WARRANTY** PORTAL WILL, VALUE ADD TO YOUR BUSINESS?

- User friendly interface
- End to End data tracking
- Vehicle Pre-inspection reports
- Timely Maintenance Service Reminder

GET INSURANCE COVERAGE ON PREMIUM SERVICES OF SAINT GOBAIN PAINT PROTECTION FILM AND CERAMIC COATING



Covers Accidental Damages of PPF/ Ceramic Coating

Cashless coverage with zero depreciation

Now Scratches and Dents won't give you sleepless nights.

	TECHNICAL SPECIFICATIONS	TEST METHODS	SAPPHIRE PLUS	HYDRO PLUS	MATTE HYDRO PLUS	NORSHIELD CLEAR	NORSHIELD COLOUR
Physical Properties	CAP SHEET THICKNESS	Gb/t 6672-2001	50 Micron	50 Micron	-	55	50
	PRODUCT THICKNESS (HC+TPU+PSA)	Gb/t 6672-2001	190 Micron	190 Micron	190 Micron	185± 10	190± 10
	TPU FILM THICKNESS	Gb/t 6672-2001	150 Micron	150 Micron	150 Micron	150±10	150±10
	ELONGATION AT BREAK (%)	Astm D882	303%	343%	311%	350%	330%
Chemical Resistance	SOAP & WATER	Samples Submerged In Chemical For 24 Hours Followed By Visual Inspection	Pass, Nde	Pass, Nde	Pass, Nde	Pass, Nde	Pass, Nde
	ISOPROPYL ALCOHOL		Pass, Nde	Pass, Nde	Pass, Nde	Pass, Nde	Pass, Nde
	MILD ACID (PH 9+)		Pass, Nde	Pass, Nde	Pass, Nde	Pass, Nde	Pass, Nde
	WINDSHIELD WASHER FLUID		Pass, Nde	Pass, Nde	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	Pass, Nde	Pass, Nde
	MOTOR OIL PASS		Pass, Nde	Pass, Nde	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	Pass, Nde	Pass, Nde
	WEATHERABILITY	Astm G155 Cycle 7 - 3,000 Hours	Pass, Nde	Pass, Nde	Pass, Nde	Pass, Nde	Pass, Nde
Appearance	GLOSS	Adhered To Paint Panel, 60° Astm D523	96 Gu	95 Gu	20 Gu	95 Gu	95 Gu
	OPTICAL CLARITY	Hazemeter	0.7	0.6	55	0.6	-
Resistance Test	CHIP RESISTANCE	Ae J400 (Gravelometer)	Pass, Nde	Pass, Nde	Pass, Nde	Pass, Nde	Pass, Nde
	HYDROPHOBIC/ WATER REPELLANCY	Gb/t 30693-2014 ≤90° Is Hydrophilic >90°is Hydrophobic					
	SELF-HEALING WITH HEAT (TEMPERATURE)	Scrubber - Fine Copper Brush Load - 200 G /sq Cm Heater - Heatgun/ Hot Water	50°C	50°C	40°C	40°C	50°C

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

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