

A SAINT-GOBAIN BRAND



CoreTech Performance Film Solutions
PAINT PROTECTION FILM

CoreTech

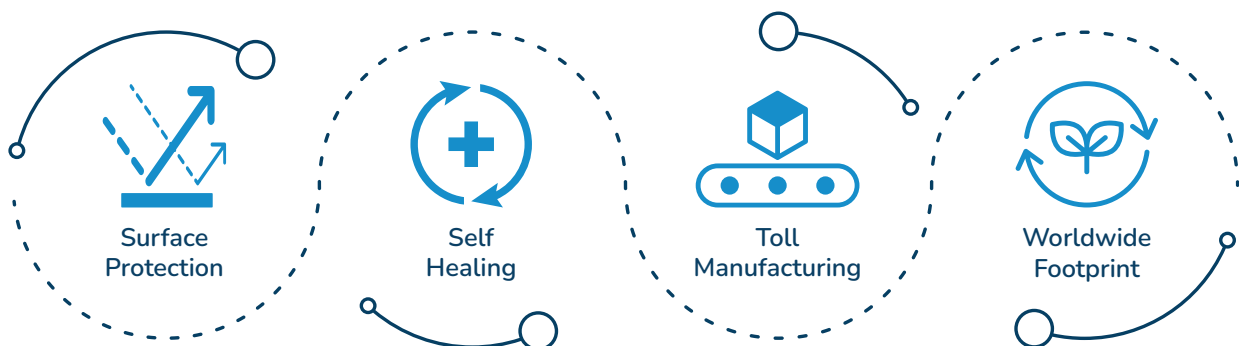


PAINT PROTECTION FILM

CoreTech Performance Film Solutions offers a variety of paint protection film products for private labels that showcase performance attributes, including self-healing, hydrophobicity, stain resistance, abrasion resistance, and excellent weathering/non-yellowing performance.

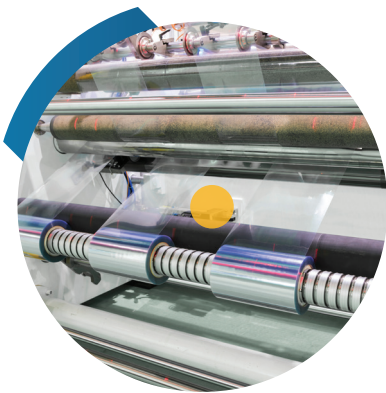
CoreTech paint protection film is designed to keep your vehicle looking pristine. Leveraging advanced self-healing, hydrophobic, and stain-resistant properties, our films offer superior resistance to abrasions and weathering, ensuring long-lasting protection against the elements. Each product is uniquely tailored in cleanrooms, minimizing defects. CoreTech leverages the worldwide supply chain and manufacturing of Saint-Gobain to provide customized or toll-coated solutions for private labels with cutting-edge precision and performance.

TECHNOLOGIES AND CAPABILITIES



GLOBAL PRESENCE AND PPF MANUFACTURING CAPABILITIES

CoreTech paint protection films are manufactured around the globe, leveraging our worldwide R&D centers and local manufacturing teams to develop and produce innovative PPF products.



CONVERTING

Width and length converting options to create shorter rolls for easier handling, or longer jumbo rolls to enhance production efficiency.

COATING

Custom coating and lamination services with extensive adhesive and hard coat chemistries on numerous substrate options.



CO-DEVELOPMENT

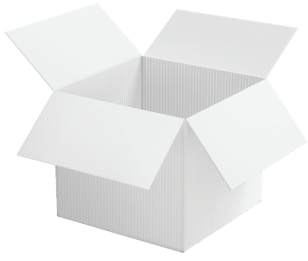
Through collaboration, our team of material science experts can work with you to develop customized PPF solutions using both our and your technologies.

PPF TESTING

We have a very broad range of analytical, environmental, and application testing capabilities specifically tailored to CoreTech paint protection film, including and not limited to:

VISUAL	ANALYTICAL	CHARACTERIZATION
Gloss Index Transmission Haze Levels Stain & Chemical Resistance	Surface Energy & Hydrophobicity Elongation Surface Tack Abrasion Resistance	Accelerated Aging Thermogravimetric Analysis FTIR Self-Healing

CORETECH PPF PRODUCTS

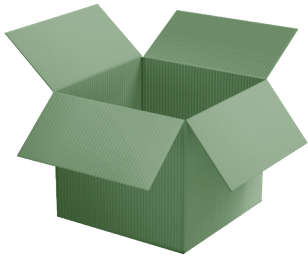
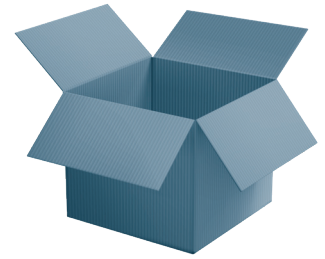


WHITE BOX[†]

All purpose PPF with a good combination of abrasion and chemical resistance offering great price to performance.

BLUE BOX[†]

Our most hydrophobic PPF specially designed to provide superior stain resistance. Repels mud, grime, and water with a virtually invisible super slick surface.

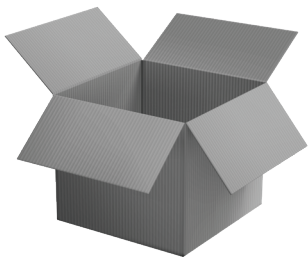
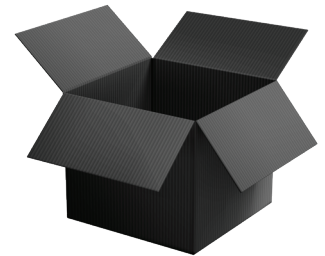


GREEN BOX[†]

Excellent self-healing PPF repairing scratches and damage without heat or hot water. Also provides very good stain resistance to protect against harsh outdoor conditions.

BLACK BOX[‡]

Premium PPF with best-in-class combination of instant self-healing, chemical resistance, and stain resistant properties. Excellent abrasion resistance with a luxury high gloss finish for a high-end appearance.



GRAY BOX[‡]

A slightly thinner version than our other PPF products; offering excellent quality and performance at a good price. Designed with self-healing and stain resistant properties to provide a great range of performance attributes.

CUSTOM

With our global R&D capabilities across eight sites worldwide, we can rapidly prototype and develop solutions with real-world testing to ensure long-lasting reliability.



[†] Available in master or converted rolls. 60" standard width, custom widths up to 72"

[‡] Available in 60" width in converted rolls only

TECHNICAL INFORMATION

CoreTech paint protection films utilize our manufacturing expertise and world-wide footprint to supply fully developed PPF products, or toll-coat your specified formulations and/or films. Samples and trial validation material available upon request.

PPF CHARACTERISTICS

PROPERTY	WHITE BOX	BLUE BOX	GREEN BOX	BLACK BOX	GRAY BOX	TEST
Stain Resistance	●●●	●●●●●	●●●●●	●●●●●	●●●	Sharpie stain
Abrasion Resistance	●●●	●●	●●●●●	●●●●●	●●●	Taber
Self-healing	●●	●●	●●●●●	●●●●●	●●●	Coarse steel brush
Hydrophobicity	●●●	●●●●●	●●●●●	●●●●●	●●●●●	H ₂ O contact angle
Elongation % to crack	●●●	●●●	●●●●●	●●●●●	●●●●●	ASTM D882
Chemical Resistance	●●●	●●●●●	●●●	●●●●●	●●●	Carburetor cleaner

Fair = ● Good = ●●● Excellent = ●●●●●

PERFORMANCE DATA

PROPERTY	WHITE BOX	BLUE BOX	GREEN BOX	BLACK BOX	GRAY BOX	TEST
Total Thickness	7.7 mil	7.6 mil	8.1 mil	7.9 mil	6.7 mil	Micrometer
TPU Thickness	6.0 mil	6.0 mil	6.0 mil	6.0 mil	5.5 mil	Micrometer
Elongation % to crack	>40%	>40%	>100%	>100%	>110%	ASTM D882
H ₂ O Contact Angle	>85°	>100°	>95°	>100°	>100°	ASTM D5946
Gloss	>90%	>90%	>90%	>90%	>90%	ASTM D523
Clarity	>90%	>90%	>90%	>90%	>90%	Hazemeter
Haze	<2%	<2%	<2%	<2%	<2%	Hazemeter
Adhesive Tack	550 g	590 g	680 g	580 g	n/a	ASTM D2879

The values presented are typical values and should not be used for specification purposes.

CoreTech, a Saint-Gobain brand, offers over five decades of expertise in roll-to-roll magnetron sputtering, wet coating, and lamination.



Contact your CoreTech
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Saint-Gobain Research
and Development Centers



Saint-Gobain
Performance Film Solutions Sites

CoreTech

PERFORMANCE FILM SOLUTIONS

CoreTech Performance Film Solutions is a brand within Saint-Gobain – a company with more than 350 years of experience in innovative material design, development and manufacturing. CoreTech proudly offers over five decades of leadership in the thin films market, with products manufactured in ISO 9001:2015 certified QMS environments. Featuring state-of-the-art wide-web magnetron sputtering equipment, we are the experts in roll-to-roll sputtering, precision wet-coating and lamination, and converting. Learn more about how our technologies and capabilities can bring your next project to life.

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