

A SAINT-GOBAIN BRAND



CoreTech Performance Film Solutions
PAINT PROTECTION FILM

CoreTech

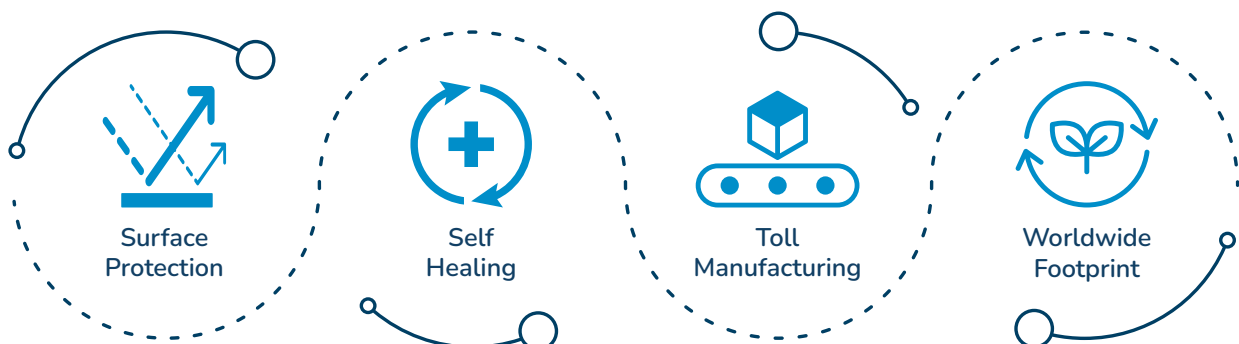


PAINT PROTECTION FILM

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.

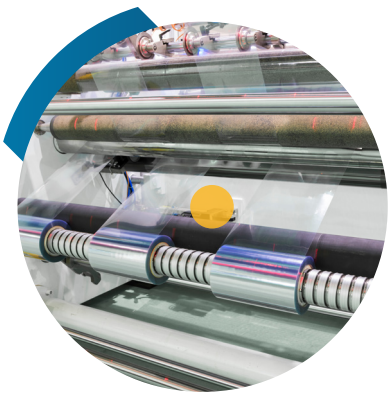
CoreTech paint protection film is designed to keep your vehicle looking pristine. Leveraging advanced self-healing, hydrophobic, and stain-resistant properties, our films offer superior resistance to abrasions and weathering, ensuring long-lasting protection against the elements. Each product is uniquely 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

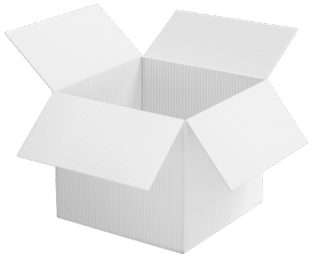
Through collaboration, our team of material science experts can work with you to develop customized PPF solutions using both our and your technologies.

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

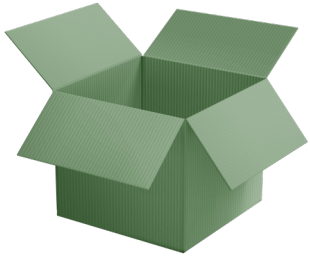
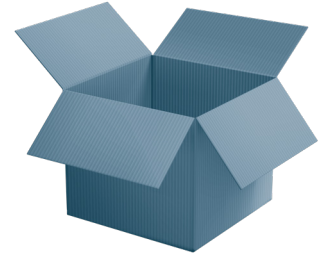


WHITEBOX[†]

All-purpose reliable PPF made in the USA designed for easy installation with excellent chemical resistance, and color stability to provide long lasting peace of mind.

BLUEBOX[†]

Our premium hydrophobic PPF made in the USA designed with best-in-class hydrophobicity advanced chemical and stain resistance while maintaining excellent color stability, and a high-gloss finish, providing long-term paint protection.

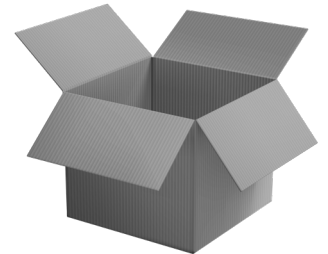


GREENBOX[‡]

Our premium self-healing PPF is designed for best-in-class self-healing performance, excellent color stability, and a high-gloss finish, providing advanced long term paint protection.

GRAYBOX[‡]

Engineered to provide reliable, cost-effective protection by repelling mud, grime, and chemical contaminant to help prevent surface staining, while offering excellent color stability and an installer friendly adhesive system that allows for easy reworking and repositioning during application.



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	WHITEBOX	BLUEBOX	GREENBOX	GRAYBOX
Stain Resistance	●●	●●●●●	●●●	●●●●
Hydrophobicity	●●●	●●●●●	●●●●	●●●●
Chemical Resistance	●●●●	●●●●	●●●●	●●●●
Ease of Install	●●●●	●●	●●●●●	●●●
Color Stability	●●●●	●●●●	●●●●●	●●●●●
Self-healing	●●	●●	●●●●●	●●●

Fair = ● Good = ●●● Excellent = ●●●●●

PERFORMANCE DATA

PROPERTY	WHITEBOX	BLUEBOX	GREENBOX	GRAYBOX	TEST
Total Thickness	7.7mils	7.6mils	7.9mils	7.4mils	Micrometer
TPU Thickness	6.0mils	6.0mils	6.0mils	6.0mils	Micrometer
Elongation to Crack	> 50%	>65%	> 100%	> 80%	ASTM D882
Hydrophobicity	> 85°	> 95°	> 93°	> 93°	ASTM D5946
Stain Resistance	> 2.00 Delta L*	< 1.00 Delta L*	< 1.75 Delta L*	< 1.20 Delta L*	Sharpie Dry Wipe
Stain Resistance	< 1.00 Delta L*	< 0.10 Delta L*	< 0.40 Delta L*	< 0.40 Delta L*	Sharpie IPA Wipe
Gloss	> 87 GU	> 90 GU	> 90 GU	> 90 GU	ASTM D523, 60° Angle
Color Stability, Δb^* after 1,000hrs	< 1.00 Delta B* after 1,000hrs	< 1.00 Delta B* after 1,000hrs	< 1.00 Delta B* after 2,000hrs	< 1.00 Delta B* after 2,000hrs	ASTM G154

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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