



PAINT PROTECTION FILM

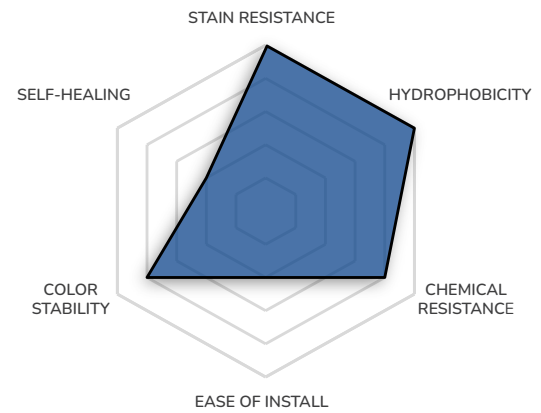
BLUEBOX PPF

CoreTech BlueBox Paint Protection Film is a premium 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.

PHYSICAL PROPERTIES	TEST METHOD	NOMINAL VALUE
Total Thickness	Micrometer	7.6mils [193µm]
Release Liner Thickness	Micrometer	3.0mils [75µm]
TPU Thickness	Micrometer	6.0mils [150µm]
Elongation at Break	ASTM D882	> 500%
Elongation to Crack	ASTM D882	> 65%
Tensile Strength at Break	ASTM D882	6,300 lbs/in ²
Gloss	ASTM D523, 60° angle	>90 GU

PERFORMANCE DATA	TEST METHOD	NOMINAL VALUE
Initial Peel (20mins, 72F)	ASTM D3330 Test Method A	1,300 g/in
Heat Aged Peel (30mins, 248F)	ASTM D3330 Test Method A	2,500 g/in
Stain Resistance	Sharpie Test, dry Wipe	< 1.00 ΔL*
Stain Resistance	Sharpie Test, IPA Wipe	< 0.10 ΔL*
Hydrophobicity	ASTM D5946, H2O contact angle	> 95°
Chemical Resistance, Gasoline	30 min submersion, visual inspection after 24 hrs.	Not Affected
Chemical Resistance, Soap & water		Not Affected
Chemical Resistance, Hydrochloric Acid		Not Affected
Color Stability, Δb* 2000 hours	ASTM G154, Cycle 6	< 1.00 Δb* after 1,000hrs
Damp Heat Aging, 85:85	750 Hours 85°C and 85% RH	< 1.10 Δb*
Abrasion Resistance	Taber 25	< 2.5 ΔL*
Abrasion Resistance	Taber 100	< 6.5 ΔL*
Impact/Chip Resistance	SAE J400 (Gravelometer)	No ruptures
Self-Healing, Active	Brass brush, 15sec int.	Requires Heat
Self-Healing, with Heat	1kg weight, hot water	Heals minor scratches

PERFORMANCE MAP



CONTACT CORETECH PERFORMANCE FILM SOLUTIONS

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IMPORTANT: The values presented are typical values and should not be used for specification purposes. Contact your representative for more information. It is the user's responsibility to ensure the suitability and safety of CoreTech products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. CoreTech assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated by purchaser and/or user.

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