

CARBON NANOTUBE PAINT PROTECTION

*Atomic-level protection for a non-yellowing,
self-healing mirror finish.*

CFC COATING FARM CERAMICS
CARBON NANOTUBE PPF

THE NEW STANDARD IN INVISIBLE ARMOR

CFC redefines automotive protection by integrating a Nanostructured Carbon Nanotube (CNT) Matrix into a premium Aliphatic TPU. This is not just a film; it is a molecular-level fortification engineered for those who demand ultimate clarity and extreme durability.

ABOUT US

CFC (Coating Farm Ceramics) is a global leader in high-performance materials science, specializing in the development of next-generation Gen-4 Carbon Nanotube (CNT) paint protection films. By integrating molecular-level nanotechnology with premium aliphatic TPU, we provide automotive enthusiasts and professional installers with a superior balance of optical clarity, extreme durability, instant self-healing performance and non-yellowing.

GET IN TOUCH

Web: www.coatingfarmpro.com

Mail: contact@cnstechlab.com

THE CNT ADVANTAGE



PERMANENT NON-YELLOWING

The CNT lattice creates a high-efficiency molecular filter that blocks UV radiation, ensuring a verified 2,000-hour ASTM G154 pass with zero yellowing.



INSTANT THERMAL RECOVERY

Our 15µm Gen-4 topcoat utilizes CNT-enhanced elastic memory to heal swirl marks and light scratches instantly upon exposure to sunlight or warm water.



ULTRA-GLOSS & ANTI-POLLUTION

The atomic-level CNT matrix provides a mirror-like 94 GU finish and a super-hydrophobic >110° barrier against acid rain and harsh chemicals.

CARBON NANOTUBE PAINT PROTECTION FILM

TEST PROPERTIES	TYPICAL VALUE	TEST METHOD
Total Thickness / Feature	190µm / 7.5 mil	ASTM D1005
Topcoat Thickness / Feature	15µm / Carbon Nanotube Infused	ASTM D4138
TPU Thickness / Feature	150µm / Lubrizol	ASTM D4138
Acrylic PSA Thickness / Feature	25µm / Ashland	ASTM D4138
Peel Adhesion Strength (gf/inch)	1300 / 20 min 2000 / 24 hour	ASTM D3330
Specular Gloss (60°)	94 GU	ASTM D2457
Elongation at Break	>400%	ASTM D412
Tensile Strength	23 MPa (235 kg / cm ²)	ASTM D412
100% Modulus	10 MPa (102 kg / cm ²)	ASTM D412
Accelerated Weathering	Pass: No Visual Change (2,000 hrs)	ASTM G154-16 (Cycle 1)
UV Resistance	No Yellowing / Cracking observed	UVA-340 Lamp
Water Contact Angle	>110°	ASTM D7334
Oil Contact Angle	>70°	N-Hexadecane
Self-Healing Type	Instant Self-Healing (Room Temp)	Internal Test
Stain Resistance	Pass	Permanent Marker Test
Chemical Resistance	No Surface Etching	Spot Test (24h)

Engineering Disclaimer

Values represented herein are averages of independent laboratory testing performed under controlled conditions and are subject to standard manufacturing tolerances. This document provides typical performance data for reference and does not constitute a definitive purchase specification. As real-world performance is contingent upon surface preparation, installation technique, and environmental exposure, CNS TECH INC recommends that users validate product suitability for their specific application and climate.