

CERAKOTE[®]



THE UNRIVALED LEADER IN
THIN-FILM PROTECTIVE COATINGS

Cerakote is a ceramic polymer based proprietary formulation that offers industry leading durability, hardness, scratch resistance, corrosion resistance, flexibility, heat and chemical resistance. Cerakote can be applied to most substrates including metals, plastics, polymers, composites, hydrographics and PVD.

FINISH STRONG[™]

CERAKOTE.COM

CERAKOTE®

WE ARE the most respected brand in the world that formulates and manufactures proprietary thin film coatings for customers who demand the highest performance to achieve protection, customization, and/or restoration.

WE ARE elite creators and advocates who set the standard and strive to outperform it. We want to be the perfect finish.

WE ARE deliberate and continuously analyzing, improving, and implementing. Our goal is to make the finish matter. Come, make your statement.

WE ARE innovative, offering unrivaled advantages. There is nothing else like Cerakote. We measure success through applicator growth.

WE INSPIRE, create, and drive demand for distinct premium attributes with Cerakote quality.

WITH A STRONG industry-leading reputation there is pride of ownership. You can't deny our unstoppable momentum.

CERAKOTE

Never Settle. Finish Strong.

PRODUCT SERIES GUIDE

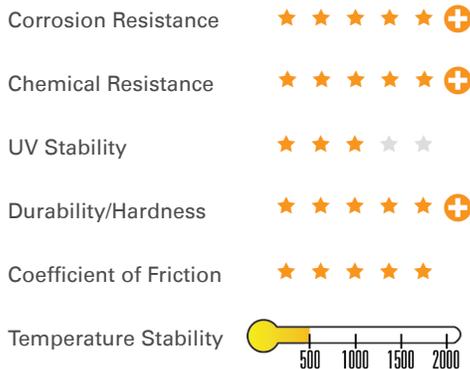
ELITE SERIES

Our Highest Performance Thin Film Coating

Oven Cure
9+ Colors

Common Uses: Firearms, knives, eyewear, consumer electronics, salt water applications, valves, and more.

Attributes:



- See Page 3 -

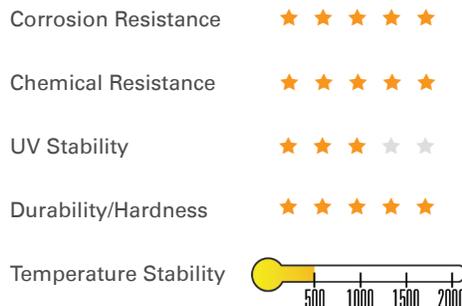
H SERIES

The World's Leading Thin Film Coating

Oven Cure
100+ Colors

Common Uses: Firearms, eyewear, consumer electronics, salt water applications, valves, and more.

Attributes:



- See Page 4 -

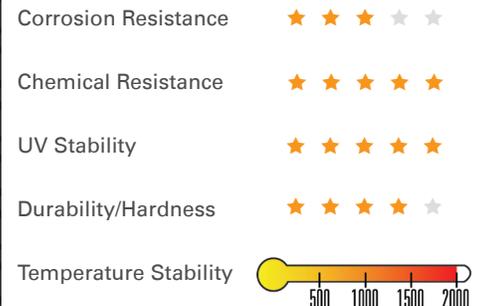
HIGH TEMP

The Thinnest, Most Durable High Temperature Ceramic Coatings in the World

Air & Oven Cure
12+ Colors

Common Uses: Barrels, suppressors, exhaust, heat exchangers, industrial, automotive components, and more.

Attributes:



- See Page 5 -

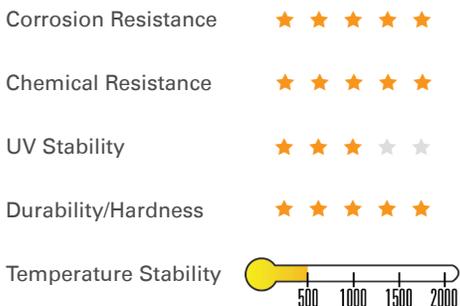
GEN II NiR

The Next Generation of Visual and Near-Infrared Signature Management Coatings

Oven Cure
8+ Colors

Common Uses: Firearms, eyewear, consumer electronics, salt water applications, valves, and more.

Attributes:



**Available to Military and Law Enforcement Agencies Only.*

- See Page 6 -

PERFORMANCE CLEARS

Next generation of performance based clear coatings
Air Cure

Common Uses: Metals (including all common alloys of aluminum), Composites, Plastics, PVD, Hydrographics & More

Attributes:

All Cerakote Clears have industry leading durability, hardness, scratch resistance, flexibility and chemical resistance.

- See Page 7 -

SPECIALTY

Products Designed with Specific Performance Attributes

Air & Oven Cure

Each Specialty Coating has been designed with specific performance attributes while maintaining the industry leading physical and chemical performance of Cerakote in a single coat, thin film coating.

Coatings:

- H-900 Electrical Barrier
- C-110 Micro Slick
- C-186 & V-136 Piston Coatings
- HIR-Series GEN II NiR
- C-187 Transfer Grey Heat Dissipation
- W-400 Glacier Chrome

- See Page 8 -

ELITE SERIES

We've Taken H-Series To The Next Level.

WHY CHOOSE ELITE?

- **Increased** Abrasion, Corrosion and Chemical Resistance
- **Very Low** Coefficient of Friction, Rivaling Teflon[®]
- **Engineered** For A Distinctive High-End Look and Feel



Cerakote Elite - The Color Of High Performance Finishes

Technical & Performance Data

- Theoretical Solids by Weight..... 42.5 +/- 2%
- Theoretical Coverage per Gallon at 1.0 mil..... 680 ft²
- Viscosity (Brookfield Viscometer)..... 21 – 72 cP
- Recommended Film Thickness..... 0.5-1.0 mil (Max up to 2 mils)
- Adhesion Cross-Cut Tape (ASTM D3359)..... 5B
- Impact (ASTM 2794)..... 160/160 inch/lbs.
- Mandrel Bend (ASTM D522)..... 0mm loss @ 180° Rotation
- Liquid Density (g/mL)..... 1.38 – 1.52 g/mL
- Gloss Level..... Matte, 7-10 Gloss Units
- **ASTM D3363**
Exceeds 9h scratch and gouge hardness
- **ASTM D4060**
Taber abrasion greater than 8000 wear cycles per mil
- **ASTM B117**
Corrosion resistance more than 3000 hours
- **ASTM D522**
0mm coating loss at 180° mandrel bend
- **Coefficient of Friction** (Steady State Dynamic CoF Under Load)
Equaling Teflon[®] at 0.11

H-SERIES

The Unrivaled Leader In Thin Film Protective Coatings.

WHY CHOOSE H-SERIES?

- **Superior** Corrosion, Wear, Impact, Scratch and Chemical Resistance
- **Maximum** Hardness, Durability, Flexibility and Adhesion
- **Excellent** Sprayability, Coverage and Consistency



THE INDUSTRY LEADER



OVER 100 COLORS



Technical & Performance Data

- Theoretical Solids by Weight..... 30 - 60%
- Theoretical Coverage per Gallon at 1.0 mil..... 480 - 960 ft²
- Viscosity (Brookfield Viscometer)..... 60 - 120 cP
- Recommended Film Thickness 1.0 mil
- Adhesion Cross-Cut Tape (ASTM D3359)..... 5B
- Impact (ASTM 2794)..... 160/160 inch/lbs.
- Mandrel Bend (ASTM D522)..... 0mm loss @ 180° Rotation
- Liquid Density (g/mL)..... 1.36 - 1.45

Recommended for any application requiring a tough, thin and durable finish including but not limited to:

- Firearms
- Tools
- Consumer electronics
- Eyewear
- Travel cups/mugs
- Knives
- Valves
- Salt water applications
- Wearables
- And more

HIGH TEMPERATURE

The Thinnest, Most Durable High Temperature Ceramic Coatings In The World.

Unsurpassed. No other word can adequately describe the Cerakote line of high temperature ceramic coatings. Formulated to withstand temperatures up to 2,000 degrees Fahrenheit, the Cerakote high temperature ceramic coatings outperform all other high temperature coatings in the most extreme environments.

The Cerakote High Temperature Coatings Advantage:

- Better thermal barrier properties than any other high temperature coatings.
- Industry leading heated and un-heated corrosion resistance.
- Withstands thermal shock without degrading or losing color.
- Extremely high chemical resistance (specific chemical performance available by request).
- VOC exempt in all 50 states.

Industry Leading Attributes:

- Ultra smooth, sleek, rich finish
- Easy single coat application
- Air and oven cured options
- Excellent coverage
- Self-leveling

Recommended for high temperature applications including the following:

- Automotive Components
- Exhaust & Headers
- Aluminum Wheels
- Brakes & Calipers
- Turbos & Manifolds
- Full Auto Barrels
- Suppressors
- Muzzle Brakes
- Industrial Gas & Oil
- Heat Exchangers
- And more

Technical & Performance Data

- Adhesion (ASTM D3359)..... 5B (Excellent)
- Theoretical Solids by Weight..... 45-75%
- Theoretical Coverage per Gallon at 1.0 mil..... 300-700ft²
- Viscosity (Brookfield Viscometer)..... 20-200 cP
- Recommended Film Thickness 1.0 mil
(Max up to 2 mils)
- Impact (ASTM 2794)..... 72/20 to 100/40 inch/lbs.
- Mandrel Bend (ASTM D522)..... 2 mm @ 180° Rotation
- Salt Spray (ASTM B117)..... 515 - 1051 Hours
(5% Salt Concentration @ 95°F)
- Liquid Density (g/mL)..... 1.26 - 1.47

GEN II NiR

The Next Generation Of Visual And Near-Infrared Signature Management Coatings



STANDARD FINISH



CERAKOTE® Gen II

Which Rifle Would You Choose?

Camouflage For Day And Night™

Cerakote Gen II Coatings* are the next generation of firearm coatings developed specifically for military small arms and crew-served weapon applications where a capability is needed to manage the visual and near-infrared signature (not thermal) while at the same time enhancing durability, reliability and maintainability. In addition to the signature management capability of night optical devices, Cerakote Gen II offers superior wear and corrosion resistance under a wide variety of adverse environmental conditions likely to be encountered in all theaters of operation.

Cerakote Gen II is designed to conform to the NIR reflectivity standards outlined in United States Military Specification MIL-C-53039D, MIL-DTL-44436, as well as Australian Defense Standard DEF(AUST) 8746.

*NIC Industries restricts the sale of Gen II coatings to military and law enforcement agencies only.

See product testing at Cerakote.com/Testing for more information.

PERFORMANCE CLEARS

The Next Generation Of Performance Based Hybrid Clear Coatings

All Cerakote Ceramic Clears have industry leading durability, hardness, scratch resistance, flexibility and chemical resistance. Cerakote Clears have been designed specifically to be the thinnest, yet strongest, clear coating on the market and can be applied to nearly any substrate, from Hydrographics and Composites, to Metals and Plastics.

Product Attributes

APPLICATION SUITABILITY	MC-156	MC-157	MC-160	MC-161	MC-5100	H-300	H-301
METALS	Good	Good	Good	Good	Excellent (Aluminum Only)	Excellent	Excellent
HYDROGRAPHICS	N/A	N/A	Excellent	Excellent	N/A	N/A	N/A
COMPOSITES AND FIBERGLASS	Excellent	Excellent	Good	Good	N/A	N/A	N/A
PLASTICS	Excellent	Excellent	Good	Good	N/A	N/A	N/A
PVD	Good	Good	Excellent	Excellent	N/A	N/A	N/A
PRODUCT CHARACTERISTICS							
GLOSS LEVEL	High Gloss	Matte	High Gloss	Matte	High Gloss	High Gloss	Matte
COMPONENTS	1 Part Ready To Spray	2 Part With Catalyst	2 Part With Catalyst				
CURE METHOD	Air/Ambient	Air/Ambient	Air/Ambient	Air/Ambient	Air/Ambient	Oven/Thermal	Oven/Thermal
TACK FREE TIME	40 Minutes	40 Minutes	40 Minutes	40 Minutes	15-30 minutes	N/A	N/A
CHEMICAL RESISTANCE	Excellent	Excellent	Good	Good	Excellent	Excellent	Excellent
WEATHERABILITY	Excellent	Excellent	Excellent	Excellent	Excellent	Fair	Fair
TEMPERATURE STABILITY	300°F	300°F	300°F	300°F	300°F	300°F	300°F
SPRAYABILITY	Good	Good	Excellent	Excellent	Excellent	Excellent	Excellent

Product Specific Technical Data Sheets Are Available At Cerakote.com

CERAKOTE.COM | 1-866-774-7628

SPECIALTY SERIES

Products Designed With Specific Performance Attributes

Each Specialty Coating has been designed with specific performance attributes and maintains the industry leading physical and chemical performance of Cerakote in a single coat, thin film coating.

H-9000

Electrical Barrier

Electrical barrier coating with a low dielectric constant

Oven Cure | Recommended Film Thickness: 1.0 mil



C-110

Micro Slick

Low coefficient of friction coating for high temperature applications

Air Cure | Recommended Film Thickness: 0.25 mils



C-186 V-136

Piston Coatings

Low thermal conductive coatings, used primarily on top of pistons, engine valves and combustion chambers to insulate and reduce heat transfer

Air & Oven Cure | Recommended Film Thickness: 1.0 mil



HIR-SERIES

GEN II NiR

Near-infrared Signature Management

Oven Cure | Recommended Film Thickness: 1.0 mil | See Page 6



C-187

Transfer Grey Heat Dissipation

High thermally conductive coatings, used primarily for radiators, intercoolers and heat exchangers

Air Cure | Recommended Film Thickness: 1.0 mil



W-400

Glacier Chrome

Polished Chrome-Like High Temperature Ceramic Coating (Chrome Free)

Oven Cure | Recommended Film Thickness: 1.0 - 2.0 mils



Product Specific Technical Data Sheets Are Available At Cerakote.com & CerakoteHighTemp.com

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AN INNOVATION OF



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