

Firearm Coatings

Engineered Coatings for Durability, Wear Resistance and Lubrication



Benefits of Our Firearm Coatings

E/M Coating Services is the leading applicator of engineered coatings for firearm components and ammunition.

We apply coatings to enhance performance including wear resistance, protection against corrosion, durability, lubricity, and decreased friction. We can apply decorative coatings and many of our coatings are available in multiple colors.

We can protect the following types of gun components and ammunition:

- M-16 magazines, receivers and bullets
- Internal gun components including bolt, bolt carrier, firing pins, barrels, upper receivers, slides, springs, and triggers
- Exterior components that must perform in extreme temperatures (< 500°F)
- Decorative exteriors that must perform in extreme temperatures (< 350°F)

In addition, our Technical Service personnel average over 35 years of coating experience and we can assist with questions or offer coating recommendations for your specific needs. We can also develop a custom coating application and process for you.

Locations

United States

Chicago, Illinois 630-620-6808
Hartford, Connecticut 860-224-9148
Minneapolis, Minnesota 651-780-3202
Los Angeles, California
• North Hollywood 818-983-1952
• Chatsworth 818-407-6280

Canada

Brampton 905-791-8002

China

Suzhou 86-158-6241-7890

Germany

Unna 49-2303-91880

United Kingdom

Evesham 44-1386-421444
Glasgow 44-141-638-8600

Typical Applications

Component	Solution	Coating System
Bullets	Friction Reduction	Microseal
Bullets	Corrosion, Lubricity, Color	10014 base coat + 6108 top coat
AR/M15 Platforms	Color Matching, Cleaning, Assembly, Reliability	Anodizing, Mil-DTL-16232, EM6226
Steel Components	Break In, Wear, Lubrication, Stiction, Corrosion Resistance	Mil-Std-171 and Everlube® 6226, EM6256, Powder Coatings, Cerakote
Magazines	Lubrication, Stiction, Corrosion Resistance	Mil-DTL 16232 and overcoat of SFL EM6256
Military Weapons	Break In, Wear, Lubrication, Stiction, Corrosion Resistance	Mil-Std-171 and Everlube® 6226, EM6256, Powder Coatings, Cerakote

About E/M Coating Services

E/M Coating Services is a business unit of Curtiss-Wright Surface Technologies (CWST). CWST provides engineered processes including world-class controlled shot peening and laser peening, engineered coatings and analytical services. These offerings improve the life, strength and performance of critical components. They are delivered through a network of over 70 dedicated international facilities and many of the facilities offer on-site services. CWST serves aerospace, automotive, marine, medical, military and defense, oil and gas, petrochemical, power generation and other specialty industries.

Through this array of processes and a combination of superior service, quality, reliability, expertise and flexibility, CWST works in partnership with its customers to solve their complex challenges and improve the life and performance of their products.

In addition, if the CWST coating selection does not meet your engineering or industrial specification, we have in-house specialist chemists that can develop individual cost-effective coating solutions to fit your requirements. Contact us to learn more.

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E/M Coating Services is a division of Curtiss-Wright Surface Technologies. For more information, visit www.cwst.com.

Product Information

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FIREARMS COATING	LUBE SYSTEM	ADVANTAGE 1	ADVANTAGE 2	ADVANTAGE 3	BINDER	CARRIER	CURE TEMP	TIME	APPLICATIONS
Everlube® 626	MoS2 Only	Low Lube Transfer	Good NSS and Toughness	Formulated for Colt Mfg.	Modified Phenolic	Solvent	300°F	1 Hr	M-16 Magazines, Receivers, Bullets
Everlube® 620C	MoS2 & Sb2O3	All-Purpose MoS2 SFL	Qual to Mil-L-46010 Rev E Ty 1	Qual to SAE AS5272 Ty 1	Modified Phenolic	Solvent	300°F	1 Hr	Internal Gun Parts
Everlube® 9002	MoS2 & Sb2O3	All-Purpose MoS2 SFL	Qual to Mil-L-46010 Rev G	Qual to SAE AS5272 Ty 3	Modified Epoxy	Water	400°F	1 Hr	Internal Gun Parts
Ecoalube® 643	MoS2 & Sb2O3	All-Purpose MoS2 SFL	Improved Scratch and Abrasion	Qual to SAE AS5272 Ty 2	Modified Epoxy	Solvent	400°F	1 Hr	Internal Gun Parts
Everlube® 6113	MoS2 & Sb2O3	Low Lube Transfer	Improved Corrosion Resistance	Improved Scratch and Abrasion	Modified Epoxy	Solvent	400°F	1 Hr	Internal Gun Parts
Everlube® 6110	PTFE	Decorative Satin Finish	Stable to 400°F	Available in Colors	Modified Epoxy	Solvent	400°F	1 Hr	Exterior components that operate < 500°F
Everlube® 6111	PTFE & MoS2	Decorative Satin Finish	Stable to 400°F	Available in Limited Dark Colors	Modified Epoxy	Solvent	400°F	1 Hr	Exterior components that operate < 500°F
Everlube® 722	PTFE	Decorative Satin Finish	Stable to 500°F	Available in Colors	Polyamide Imide	Solvent	450°F	1 Hr	Parts requiring excellent lube and thermal stability
Everlube® R75	PTFE	Decorative Satin Finish	Stable to 500°F	Available in Colors	Polyamide Imide	Solvent	450°F	1 Hr	Parts requiring excellent lube and thermal stability
Everlube® 971	PTFE & MoS2	Decorative Satin Finish	Stable to 500°F	Available in Limited Dark Colors	Polyamide Imide	Solvent	450°F	1 Hr	Parts requiring excellent lube and thermal stability
Gun-Kote Series	Assorted	Very Low Lube Transfer	Decorative Satin or Flat Finish	Available in Limited Dark Colors	Modified Phenolic	Solvent	300°F	1 Hr	Decorative exteriors with service temps < 350°F
Everlube® 6108	PTFE	Decorative Satin Finish	Stable to 350°F	Available in Colors	Modified Phenolic	Solvent	300°F	1 Hr	Decorative exteriors with service temps < 350°F
Everlube® 6102G	PTFE & MoS2	Decorative Satin Finish	Stable to 350°F	Available in Limited Dark Colors	Modified Phenolic	Solvent	300°F	1 Hr	Decorative exteriors with service temps < 350°F
Everlube® 9600	High PTFE	Decorative Low Gloss Finish	Stable to 400°F	Available in Colors	Modified Epoxy	Water	400°F	1 Hr	Parts requiring high TFE for low friction and non-stick < 450°F
PermaSlik® RAC	MoS2 & Graphite	Moisture Cure @ Room Temp	Burnishes to a Shiny Metallic Finish	Good Adhesion to Smooth Metal	Organometallic Binder	Solvent	Room Temp	1 Hr	Bullets
PermaSlik® RMAC	MoS2 & Sb2O3	Moisture Cure @ Room Temp	Burnishes to a Shiny Metallic Finish	Good Adhesion to Smooth Metal	Organometallic Binder	Solvent	Room Temp	1 Hr	Bullets
PermaSlik® RGAC	Graphite ONLY	Moisture Cure @ Room Temp	Burnishes to a Shiny Metallic Finish	Good Adhesion to Smooth Metal	Organometallic Binder	Solvent	Room Temp	1 Hr	Bullets

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