

Pump and Valve Coatings

Engineered Coatings for Harsh Environments



E/M Coating Services protects equipment operating in oil and gas production as well as other demanding environments in power generation, chemical processing, water treatment and automotive industries.

Ideal for Pumps and Valves in Aggressive Environments

E/M Coating Services is the leading applicator of engineered coatings for pumps and valves in aggressive environments.

We apply coatings to address numerous service conditions including wear, corrosion, erosion, seizing, steam and extreme temperatures (-420°F to 1800°F / -251°C to 982°C), as well as applicable aesthetic standards.

We can protect the following types of pumps, valves and auxiliary equipment:

- Control valves – all types, including ball, angle, gate and plug
- Blades, vanes and stators
- Piping – straights, tees, elbows, reducers
- Gearboxes – wear surfaces
- Seals, tubes, wear pads, rings
- Pistons, shafts, bushings, gears, clutches
- Potable water ball valves, seals, and magnets to meet NSF-61

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
Segment or Full Balls	Prevents seizing and galling on hard or soft seat, temperatures of -365°F to 1100°F (-221°C to 593°C)	• E/M 6351 • Microseal® EN-300 • E/M 6355
Actuator Stems and Shafts	Prevents galling and friction, provides break-in lubrication and high-temperature protection	• E/M 6226 • Microseal® EN-300 • Microseal® 100-1 • Lube-Lok® 2006
Bearing Surfaces	High-load and galling wear protection	• Everlube® 620 • Everlube® 9000
Blades (Compressor and Turbine)	Provides blade root wear erosion, coating for airfoil protection	• Lube-Lok® 7400 • E/M 6247 • E/M 6042
Orifice Plates	Sliding wear protection	• E/M 6460 • Lube-Lok® 7100 • Lube-Lok® 4856
Shafts, Rings	Corrosion and wear protection	• E/M 6287 • Ever-Slik® 1201
Valve Bodies, Impellers, Fittings, Diaphragms, etc.	Corrosion / chemical wear protection, decorative	• Everlube® H-610 • Everlube® K-710 • E/M P-110
Potable Water Equipment per NSF-61	Lead barrier protection, lubricity	• Everlube® R-75* • E/M 6226 (both certified in black only)
Butterfly / Gate Valves	Corrosion and wear protection	• E/M 6355 • Microseal® EN-300
Ball Valve and Seat	Provides air dry space or brush and break-in lubrication	• Lubri-Bond® B
Control Valve Bushing	Air dry lubricant with corrosion protection	• Lubri-Bond® 320 • Lubri-Bond® K
Cryogenic High Vacuum	Wear, break away torque wear and anti-galling protection	• Lube-Lok® 2396

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

* More on Everlube® R-75

Everlube® R-75

Now certified to NSF/ANSI 61

Everlube® R-75—a PTFE, Solid Film Lubricant—is the ideal coating for manufacturers that make products that come into contact with drinking water. This versatile coating offers these benefits:

- Excellent wear life
- Very good release properties
- Very good thermal stability
- Ideal for lighter load carrying applications
- RoHS compliant

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 speciality 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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WRIGHT**

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Everlube® R-75 Typical Applications

Component	Solution	Coating System
Potable Water Equipment per NSF-61	Lead barrier protection, lubricity	• Everlube® R-75 (certified in black only)

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